

SANTANA '59  
COLLEGE '60

INDIANA '62





saint joseph's college

of renselaer, indiana

is a small college

for men

founded in 1889

and

conducted by

the fathers of

the society of the precious blood

granting b.a.

and b.s. degrees.

this is the

sixty ninth

annual catalogue

with announcements for

1959-1960

cover design by Thomas W. DeMint

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## EXTENSION CENTER AND SUMMER SESSIONS

In addition to courses on campus, the College operates an Extension Center at Hammond, Indiana, known as the Saint Joseph's College **CALUMET CENTER**. Opened in 1951, the **CALUMET CENTER** offers courses for credit and in adult education. For further information, write to the Office of the Director, 4708 Indianapolis Blvd., East Chicago, Indiana.

A six-week **SUMMER SESSION** is offered on campus and at the **CALUMET CENTER**; a six-week **SUMMER SESSION** in Field Geology is offered at Silver City, New Mexico. For further information, write to the Director of the Summer Session, Saint Joseph's College, Collegeville, Indiana.

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## ACCREDITATION

Saint Joseph's College is a member of or is accredited by the following associations and standardizing agencies:

Adult Education Association

American Council on Education

Association of American Colleges

Association of University Evening Colleges

Commission on Christian Higher Education of the Association of American Colleges

Indiana Association of Church Related and Independent Colleges

Indiana Conference of Higher Education

National Catholic Education Association

North Central Association of Colleges and Secondary Schools

State of Indiana Department of Public Instruction for the training of elementary and high school teachers.

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Approved by the American Medical Association for pre-medical training.

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Affiliated on 3-2 (Liberal Arts-Engineering) Programs with: Notre Dame; Rose Polytechnic; University of Illinois. Students on the 3-2 program may transfer to any accredited engineering college.

4 SAINT JOSEPH'S COLLEGE

**CALENDAR for 1959**

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
							1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7
4	5	6	7	8	9	10	8	9	10	11	12	13	14	8	9	10	11	12	13	14	5	6	7	8	9	10	11
11	12	13	14	15	16	17	15	16	17	18	19	20	21	15	16	17	18	19	20	21	12	13	14	15	16	17	18
18	19	20	21	22	23	24	22	23	24	25	26	27	28	22	23	24	25	26	27	28	19	20	21	22	23	24	25
25	26	27	28	29	30	31								29	30	31					26	27	28	29	30		
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
							1	2	3	4	5	6		1	2	3	4	5			1	2	3	4	5	6	7
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11	2	3	4	5	6	7	8
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18	9	10	11	12	13	14	15
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25	16	17	18	19	20	21	22
24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31		23	24	25	26	27	28	29
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
							1	2	3	4	5	6		1	2	3	4	5	6	7	1	2	3	4	5	6	7
6	7	8	9	10	11	12	4	5	6	7	8	9	10	8	9	10	11	12	13	14	6	7	8	9	10	11	12
13	14	15	16	17	18	19	11	12	13	14	15	16	17	15	16	17	18	19	20	21	13	14	15	16	17	18	19
20	21	22	23	24	25	26	18	19	20	21	22	23	24	22	23	24	25	26	27	28	20	21	22	23	24	25	26
27	28	29	30				25	26	27	28	29	30	31	29	30						27	28	29	30	31		

**CALENDAR for 1960**

JANUARY							FEBRUARY							MARCH							APRIL						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
							1	2	3	4	5	6		1	2	3	4	5			1	2	3	4	5	6	7
3	4	5	6	7	8	9	7	8	9	10	11	12	13	6	7	8	9	10	11	12	3	4	5	6	7	8	9
10	11	12	13	14	15	16	14	15	16	17	18	19	20	13	14	15	16	17	18	19	10	11	12	13	14	15	16
17	18	19	20	21	22	23	21	22	23	24	25	26	27	20	21	22	23	24	25	26	17	18	19	20	21	22	23
24	25	26	27	28	29	30	28	29						27	28	29	30	31			24	25	26	27	28	29	30
MAY							JUNE							JULY							AUGUST						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
							1	2	3	4	5	6		1	2	3	4	5			1	2	3	4	5	6	7
8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9	7	8	9	10	11	12	13
15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16	14	15	16	17	18	19	20
22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23	21	22	23	24	25	26	27
29	30	31					26	27	28	29	30			24	25	26	27	28	29	30	28	29	30	31			
SEPTEMBER							OCTOBER							NOVEMBER							DECEMBER						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
							1	2	3					1	2	3	4	5			1	2	3	4	5	6	7
4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12	4	5	6	7	8	9	10
11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19	11	12	13	14	15	16	17
18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26	18	19	20	21	22	23	24
25	26	27	28	29	30		23	24	25	26	27	28	29	27	28	29	30				25	26	27	28	29	30	31

## COLLEGE CALENDAR, 1959-1960

### First Semester

September 12-17	Saturday-Thursday, Induction and Orientation of freshmen and new students.
September 17	Thursday, Registration for returning students: obligatory attendance at evening High Mass, 8:00 p.m., <i>Official Opening of the School Year</i> .
September 18	Friday, Classes begin at 8:00 a.m.
September 22	Tuesday, limit for changes in class schedule.
October 17	Saturday, limit for permission to discontinue a course*
November 7	Saturday, mid-semester grade reports due.
November 25	Wednesday, Thanksgiving recess begins at noon.
November 30	Monday, classes resume at 8:00 a.m.
December 8	Tuesday, Feast of the Immaculate Conception; no classes.
December 18	Friday, Christmas recess begins after last class or laboratory.
January 4	Monday, classes resume at 8:00 a.m.
January 11-12	Monday-Tuesday, Senior Comprehensive Examinations.
January 18-19	Monday-Tuesday, Senior Graduate Record Examinations.
January 21-26	Thursday-Tuesday, Semester examinations.
January 31	Sunday, Baccalaureate Exercises.

\*First-semester freshmen have until Saturday, November 15, to discontinue a course.

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### Second Semester

February 2	Tuesday, Registration for Second Semester.
February 3	Wednesday, classes begin at 8:00 a.m.; <i>Official Opening of the Second Semester.</i>
February 10	Wednesday, limit for changes in class schedule.
March 5	Saturday, limit for permission to discontinue a course.
March 5-6	Senior Retreat; closed weekend for Seniors.
March 7	Monday, Feast of St. Thomas Aquinas, Patron of Schools; 8:00 p.m., obligatory attendance for Catholic students at Solemn High Mass in honor of St. Thomas Aquinas.
March 12-14	Free weekend from Saturday noon to 8:00 a.m., Tuesday.
March 19-20	Junior Retreat; closed weekend for Juniors.
March 26	Saturday, mid-semester grade reports due.
March 26-27	Sophomore Retreat; closed weekend for Sophomores.
April 2-3	Freshman Retreat; closed weekend for Freshmen.
April 13	Wednesday, Easter recess begins at noon.
April 20	Wednesday, classes resumed at noon.
April 25-26	Monday-Tuesday, Senior Comprehensive Examinations.
May 1	Sunday, Feast of St. Joseph, Patron of the College; Parents Day: Conferral of Honors and Awards.
May 2-3	Monday-Tuesday, Senior Graduate Record Examinations.
May 26	Thursday, Ascension Day; no classes.
May 27-June 1	Friday-Wednesday, Semester Examinations.
June 5	Sunday, Baccalaureate Exercises.
	<b>Summer Session, 1960</b>
June 20-July 30	
July 29	Baccalaureate Exercises.

## BOARD OF CONTROL 7

### BOARD OF CONTROL

Very Reverend John E. Byrme, C.P.P.S., President  
Rev. Isidore McCarthy, C.P.P.S.  
Very Reverend Raphael H. Gross, C.P.P.S.  
Reverend Harold V. Diller, C.P.P.S., Secretary  
Reverend Norbert Sweeterman, C.P.P.S., Treasurer  
Reverend Walter T. Pax, C.P.P.S.  
Reverend Edward A. Maziarz, C.P.P.S.

### BOARD OF LAY TRUSTEES

The Board of Lay Trustees was organized on December 8, 1950. Composed of alumni and non-alumni members, it is charged with the responsibility of giving assistance and advice on matters pertaining to the administration of the College.

#### Officers of the Board

Robert A. Gallagher, Indianapolis, Indiana, Chairman  
Rev. John M. Lefko, C.P.P.S., Secretary

#### Members Ex-Officio

Very Reverend Raphael H. Gross, C.P.P.S., President of the College  
Reverend Edward A. Maziarz, C.P.P.S., Dean of the College  
Reverend John M. Lefko, C.P.P.S., Treasurer of the College

#### Alumni Members

William A. Hanley, '08, Indianapolis, Indiana  
Justin H. Oppenheim, '19, Coldwater, Ohio  
Raymond Ziegman, Orrville, Ohio

#### Members at Large

William B. Ansted, Jr., Indianapolis, Indiana  
Frank Benchik, Munster, Indiana  
Joseph H. Broderick, Muncie, Indiana  
Frank C. Callahan, Chicago, Illinois  
Walter Darling, Chicago, Illinois  
Robert A. Gallagher, Indianapolis, Indiana  
Clarence A. Gramelspacher, Jasper, Indiana  
George S. Halas, Chicago, Illinois  
Charles A. Halleck, Rensselaer, Indiana  
Arthur Hellyer, Chicago, Illinois  
Morris E. Jacobs, Omaha, Nebraska  
Thomas A. Lewis, Chicago, Illinois  
James B. McCahey, Sr., Chicago, Illinois  
Frank M. McHale, Indianapolis, Indiana  
Richard A. O'Connor, Fort Wayne, Indiana

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\* C.P.P.S. These letters are the abbreviations of Congregatio Pretiosissimi Sanguinis, the official name of the Society of the Precious Blood. All the priests and brothers at Saint Joseph's are members of this religious community.

## 8 SAINT JOSEPH'S COLLEGE

### ADMINISTRATION

Very Reverend Raphael H. Gross, C.P.P.S., A.M., Ph.D., President  
Reverend Edward A. Maziarz, C.P.P.S., M.A., M.S., Ph.D., Dean  
Reverend John M. Lefko, C.P.P.S., Treasurer  
Reverend Rufus H. Esser, C.P.P.S., M.A., Secretary  
Reverend Donald F. Shea, C.P.P.S., Ph.D., Coordinator of Student Affairs.  
Reverend Charles H. Banet, C.P.P.S., A.M.L.S., Librarian  
Reverend Daniel E. Schaefer, C.P.P.S., Dean of Men  
Reverend Charles J. Robbins, C.P.P.S., M.A., Registrar  
Reverend Leonard J. Kostka, C.P.P.S., J.C.L., Chaplain  
Reverend Richard P. Baird, C.P.P.S., Admissions Counsellor  
Reverend Paul J. Wellman, C.P.P.S., M.A., Supt. of Buildings and Grounds  
Reverend William L. Eilerman, C.P.P.S., M.S., Business Manager  
Reverend John M. Lefko, C.P.P.S., Director of the Saint Joseph's College Foundation  
Reverend James I. Birkley, C.P.P.S., M.A., Director of Extension Center  
Reverend George J. Lubeley, C.P.P.S., S.T.L., Director of Summer Session  
Reverend Richard P. Baird, C.P.P.S., Director of Athletics  
Reverend Gerard A. Lutkemeier, C.P.P.S., B.S., in L.S., Assistant Librarian  
Reverend Bernard J. Meiring, C.P.P.S., M.A., Director of Guidance  
Mr. Hugh P. Cowdin, M.A., Director of News Bureau  
Mr. Richard F. Scharf, M.S., Director of Placement  
Cecil E. Johnson, M.D., College Physician  
Miss Jean Granfield, R.N., Director of Health Service  
Miss Helen Skinner, M.S., Dietician

### FACULTY

Very Reverend Raphael H. Gross, C.P.P.S., A.M., Ph.D., President  
1941\* — Professor of English. A. M., University of Michigan, 1941; Ph.D., University of Montreal, 1952. Appointed President, 1951.

John A. Abraham, M.A., Ph.D.  
1959 — Assistant Professor of English; M.A., University of Wisconsin, 1950; Oxford U. (England), 1954-55; Ph.D. 1959, U. of Wisconsin.

Reverend Donald L. Ballman, C.P.P.S., M.S.  
1956 — Instructor in Geology. M.S., University of Illinois, 1956; Ph.D. (Cand.), ibid.

Reverend Charles H. Banet, C.P.P.S., A.M.L.S., Librarian  
1952 — Associate Professor, A.M.L.S., University of Michigan, 1951; ibid., 1951-1952.

Jay Barton II, A.M., Ph.D.  
1955 — Associate Professor of Biology. A.M., University of Missouri, 1948; Ph.D., ibid., 1951.

Reverend Rudolph P. Bierberg, C.P.P.S., S.T.L., S.T.D.  
1958 — Assistant Professor of Religion. S.T.L., Catholic University of America, 1941; S.T.D., ibid., 1943.

Reverend James I. Birkley, C.P.P.S., M.A., Director of Extension Center  
1946 — Assistant Professor of English. Ohio State University, 1946-1947; M.A., University of Notre Dame, 1951.

\* The first date indicates the year of appointment to Saint Joseph's.

## FACULTY 9

**Sister Mary Audrey Bourgeoin, C.P.P.S., M.A.**

1959 — Instructor in Education. M.A., University of Dayton, 1948; Ph.D. (Cand.), Catholic University of America.

**Ralph M. Cappuccilli, A.M.**

1948 — Associate Professor of Speech, A.M., University of Michigan, 1951.

**Reverend Raymond M. Cera, C.P.P.S., M.A.**

1948 — Assistant Professor of Spanish. M.A., Saint John's University, Brooklyn, 1951.

**Hugh P. Cowdin, M.A.**

1956 — Instructor in Journalism. M.A., Marquette University, 1959.

**Francis E. X. Dance, M.A., Ph.D.**

1958 — Assistant Professor of Speech. M.A., Northwestern University, 1953; Ph.D. 1959, *ibid.*

**Michael E. Davis, M.S.**

1952 — Associate Professor of Geology. M.S., Kansas State College, 1951.

**Reverend Boniface R. Dreiling, C.P.P.S., M.S.**

1940 — Associate Professor of Physics. M.S., Catholic University of America, 1940; University of Chicago, 1943-1946.

**Reverend Marcellus M. Dreiling, C.P.P.S., M.S.**

1939 — Associate Professor of Mathematics. M.S., Catholic University of America, 1939.

**Reverend Alvin W. Druhman, C.P.P.S., M.A., Ph.D., Chairman, Division of Humanities.**

1948 — Assistant Professor of English. M.A., Saint John's University, Brooklyn, 1950; Ph.D., *ibid.*, 1952.

**Francis X. Duggan, M.A.**

1958 — Assistant Professor of English; M.A., University of Pennsylvania, 1950; Ph.D., (Cand.), *ibid.*

**Reverend William L. Eilerman, C.P.P.S., M.S.**

1954 — Instructor in Accounting. M.S., Saint Louis University, 1959.

**Reverend Rufus H. Esser, C.P.P.S., M.A., Secretary.**

1925 — Professor of English. M.A., Catholic University of America, 1927; Indiana University, Summers, 1930, 1931.

**James T. Farrell, M.A.**

1956 — Assistant Professor of English. M.A., Marquette University, 1950; Ph.D. (Cand.), Indiana University.

**Reverend Frederick L. Fehrenbacher, C.P.P.S., M.A.**

1928 — Professor of History. University of Notre Dame, Summers, 1928, 1929; University of Illinois, Summer, 1930; M.A., Catholic University, Summer, 1932.

**Reverend Aloys H. Feldhaus, C.P.P.S., J.C.L., J.C.D.**

1954 — Professor of Religion. J.C.L., Catholic University of America, 1926; J.C.D., *ibid.*, 1927.

**Louis C. Gatto, M.A.**

1956 — Assistant Professor of English. University of Minnesota, 1950-1951; DePaul University, 1953-1955; M.A., *ibid.*, 1956; Ph.D. (Cand.), Loyola University.

## 10 SAINT JOSEPH'S COLLEGE

### **Reverend Dominic B. Gerlach, C.P.P.S., M.A.**

1952 — Assistant Professor of History. M.A., Saint Louis University, 1952; University of Michigan, Summer, 1956.

### **Reverend Norman L. Heckman, C.P.P.S., A.M.**

1940 — Associate Professor of Chemistry. University of Wisconsin, 1943-1944; A.M., Indiana University, 1947.

### **Reverend Lawrence F. Heiman, C.P.P.S., M.A., L.G.C.**

1943 — Associate Professor of Music. M.A., Catholic University of America, 1949: Marquette University, Summer, 1950; L.G.C., Pontifical Institute of Sacred Music, Rome, 1958.

### **Sister Mary Anthonita Hess, C.P.P.S., M.A., Ph.D.**

1956 — Assistant Professor of History. M.A., Catholic University of America, 1942; Ph.D., *ibid.*, 1949; Georgetown University, Summer, 1958.

### **Reverend Joseph A. Hiller, C.P.P.S., M.A., Ph.D.**

1933 — Professor of German. M.A., Catholic University of America, 1932; University of Cincinnati, 1935-1937; Ph.D., Catholic University of America, 1940.

### **Joseph E. Iofredo, A.B.**

1958 — Instructor in Physical Education, A.B., Western Reserve University, 1946.

### **Bryce J. Jones, M.S., Ph.D., Chairman, Division of Business and Economics.**

1955 — Associate Professor of Economics. M.S., Saint Louis University, 1951; Ph.D., *ibid.*, 1955.

### **Reverend Edwin G. Kaiser, C.P.P.S., S.T.D.**

1944 — Professor of Religion. S.T.D., Saint John Lateran, 1923; Gregorianum University, 1923-1924; Saint Louis University, Summer, 1947.

### **Paul E. Kelly, A.M.**

1950 — Associate Professor of Business. A.M., Colorado State College, 1941; Ford Foundation Fellowship, Indiana University, Summer, 1959.

### **Reverend Joseph B. Kenkel, C.P.P.S., Ph.D.**

1922 — Professor of Economics. Ph.D., Catholic University of America, 1922.

### **Reverend Cletus G. Kern, C.P.P.S., M.A., Chairman, Division of Religion and Philosophy.**

1940 — Associate Professor of Philosophy, Chairman of the Division of Religion and Philosophy. M.A., Catholic University of America, 1938.

### **Richard L. Kilmer, M.A., Chairman, Division of Social Science.**

1953 — Associate Professor of History. M.A., University of Notre Dame, 1947; Ph.D. (Cand.), *ibid.*

### **Reverend John R. Klopke, C.P.P.S., M.A.\***

1955 — Instructor in Philosophy. M.A., Fordham University, 1955.

### **Sister Mary Delphine Kolker, C.P.P.S., M.A., Ph.D.**

1959 — Instructor in English. M.A., Catholic University of America, 1944; Ph.D., *ibid.*, 1952.

### **Reverend Leonard J. Kostka, C.P.P.S., J.C.L.**

1948 — Associate Professor of Religion. J.C.L., Catholic University of America, 1942; Seton Hall University, Summer, 1948; Saint Louis University, Summer, 1954.

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\* Absent on Leave, University of Toronto.

## FACULTY 11

### **Reverend William Kramer, C.P.P.S., L.Sc.N., Sc.D.**

1953 — Assistant Professor of Chemistry. L.Sc.N., University of Fribourg, Switzerland, 1951; Sc.D., *ibid.*, 1952.

### **Robert J. Kreyche, M.A., Ph.D.**

1956 — Associate Professor of Philosophy. M.A., Catholic University of America, 1942; Ph.D., University of Ottawa, 1951.

### **Reverend Clarence J. Kroeckel, C.P.P.S., M.S. Chairman, Division of Natural Sciences.**

1938 — Professor of Biology. M.S., Catholic University of America, 1938; University of Chicago, Summer, 1944; University of Notre Dame, 1945-1948.

### **Reverend Clement J. Kuhns, C.P.P.S., M.A.**

1948 — Associate Professor of Classical Languages. M.A., Catholic University of America, 1952.

### **Reverend Robert F. Lechner, C.P.P.S., Ph.D.**

1946 — Associate Professor of Philosophy, Ph.D., University of Fribourg, Switzerland, 1950.

### **Adam, P. Lesinsky, M.M.**

1958 — Associate Professor of Music. M.M., American Conservatory of Music, 1944.

### **Reverend George J. Lubeley, C.P.P.S., S.T.L.**

1954 — Assistant Professor of Religion. S.T.L., University of Fribourg, Switzerland, 1947; S.T.D. (Cand.), University of Ottawa.

### **Reverend Ernest A. Lucas, C.P.P.S., M.A., Chairman, Division of Education.**

1952 — Assistant Professor of Education. M.A., University of Notre Dame, 1953.

### **Reverend Gerard A. Lutkemeier, C.P.P.S., B.S. in L.S., Assistant Librarian.**

1937 — Assistant Professor. B.S. in L.S., Catholic University of America, 1946.

### **Daniel D. Lyons, M.A.**

1958 — Instructor in Philosophy. M.A., Dominican College of St. Thomas, 1959.

### **Reverend Edward P. McCarthy, C.P.P.S., M.A.**

1958 — Assistant Professor of Philosophy. M.A., Catholic University of America, 1945.

### **Brother John A. Marling, C.P.P.S., B.S.**

1938 — Associate Professor of Mathematics. B.S., Saint Joseph's College, 1938; Catholic University of America, Summer, 1938; John Carroll University, Summer, 1951.

### **Reverend Edward A. Maziarsz, C.P.P.S., M.A., M.S., Ph.D., Dean**

1942 — Professor of Philosophy. M.A., Catholic University of America, 1941; M.S., University of Michigan, 1945; University of Virginia, Summer, 1945; Laval University, Summer, 1947; Ph.D., University of Ottawa, 1949; National Science Foundation Fellowship, American University, Summer, 1959.

### **Reverend Bernard J. Meiring, C.P.P.S., M.A.**

1957 — Instructor in Education. M.A., University of Detroit, 1957.

### **Robert W. Morell, M.B.A., Ph.D.**

1959 — Associate Professor of Business Administration. M.B.A., University of Chicago, 1950; Ph.D., St. Louis University, 1957.

### **Reverend Carl Nieset, C.P.P.S., M.S.**

1937 — Associate Professor of Geology. M.S., Catholic University of America, 1936; Purdue University, Summer, 1937; University of Texas, Summer, 1943.

## 12 SAINT JOSEPH'S COLLEGE

### **Reverend Aloysius F. O'Dell, C.P.P.S., S.T.L.**

1957 — Instructor in Religion. S.T.L., University of Montreal, 1957.

### **Reverend Joseph A. Otte, C.P.P.S., M.B.A.**

1942 — Associate Professor of Accounting. M.B.A., University of Michigan, 1942.

### **Howard J. Phillips, M.A.**

1958 — Assistant Professor of History, M.A., Yale University, 1954; Ph.D. (Cand.), University of Notre Dame.

### **John M. Phelps, M.A.**

1958 — Assistant Professor of Politics. M.A., University of Chicago, 1949. Ph.D. (Cand.), *ibid.*

### **Donald L. Prullage, M.A.**

1958 — Instructor in Mathematics, M.A., University of Wisconsin, 1958.

### **Bernard E. Qubeck, M. Mus. Ed.**

1956 — Instructor in Music. B. Mus., Roosevelt University, 1948; Indiana University, Summer, 1947; M. Mus. Ed., The Chicago Musical College of Roosevelt University, 1959.

### **Reverend Ernest W. Ranly, C.P.P.S., M.A.**

1956 — Instructor in Philosophy. M.A., Saint Louis University, 1958.

### **Reverend Charles J. Robbins, C.P.P.S., M.A., Registrar**

1940 — Associate Professor of Classical Languages. M.A., Catholic University of America, 1945.

### **Reverend Edward M. Roof, C.P.P.S., M.A.**

1929 — Associate Professor of Latin. M.A., Catholic University of America, 1931.

### **Reverend Charles R. Rueve, C.P.P.S., M.S.**

1946 — Assistant Professor of Mathematics. M.S., University of Notre Dame, 1949; Ph.D. (Cand.) *ibid.*

### **Reverend Ambrose A. Ruschau, C.P.P.S., M.S.**

1955 — Assistant Professor of Physics. M.S., Saint Louis University, 1956.

### **Richard F. Scharf, M.S. in P.Ed.**

1940 — Associate Professor of Physical Education. M.S. in P.Ed., Indiana University, 1949; H.S.D., (Cand.), *ibid.*

### **Reverend Joseph F. Scheuer, C.P.P.S., M.A., Ph.D.**

1946 — Associate Professor of Sociology. University of Michigan, Summer, 1947; M.A., Fordham University, 1950; Ph.D., *ibid.*, 1956.

### **Reverend Donald F. Shea, C.P.P.S., A.M., Ph.D., Coordinator of Student Affairs**

1947 — Assistant Professor of History. A.M., University of Michigan, 1947; Ph.D., Loyola University, 1956; Harvard University, Summer, 1959.

### **Robert W. Shemky, M.S.**

1956 — Instructor in Physical Education. M.S., University of Michigan, 1955.

### **Reverend Urban J. Siegrist, C.P.P.S., M.S., Ph.D.**

1936 — Professor of Biology, Director of the Institutum Divi Thomae Research Station. M.S., Catholic University of America, 1936; Ph.D., Institutum Divi Thomae, 1959.

## FACULTY 13

### **Reverend Joseph A. Smolar, C.P.P.S., M.S., A.M.**

1945 — Associate Professor of Biology. M.S. Institutum Divi Thomae, 1945; A.M., Indiana University, 1950.

### **Curtis H. Stanley, M.B.A.**

1958 — Assistant Professor of Accounting. M.B.A., University of Michigan, 1957; Ph.D. (Cand.), *ibid.*

### **Paul C. Tonner, B.Mus., Litt.D.**

1918 — Professor of Music. B.Mus., University Extension Conservatory, Chicago, 1931; Van Der Cook Music Conservatory, Summer, 1949; Litt.D., Saint Joseph's College, 1958.

### **Allan J. Tward, M.B.A., Ph.D.**

1958 — Assistant Professor of Business. M.B.A., Kent State University, 1954; Ph.D., University of Illinois, 1959.

### **Willard G. Walsh, M.F.A.**

1954 — Assistant Professor of Speech. M.F.A., Fordham University, 1949; Certificate, American Academy of Dramatic Arts, 1953.

### **Reverend Paul E. Wellman, C.P.P.S., B.A.**

1957 — Instructor in Business Administration. M.B.A. (Cand.), Marquette University.

### **Reverend Paul R. White, C.P.P.S., M.A.**

1956 — Assistant Professor of Economics. University of Michigan, Summer, 1955; M.A., Catholic University of America, 1956.

### **Reverend Albert A. Wuest, C.P.P.S., M.S.**

1934 — Associate Professor of Chemistry. M.S., Catholic University of America, 1933.

## A S S O C I A T E S I N T E A C H E R E D U C A T I O N

### **Walter C. Anderson,**

1958 — Supervising Teacher of Elementary Subjects, Jordan School; Rensselaer, Indiana.

### **Beulah Arnott,**

1957 — Supervising Teacher of Elementary Subjects, Monnett Elem. School; Rensselaer, Indiana.

### **Lester D. Baer,**

1958 — Supervising Teacher of Elementary Subjects and Physical Education, Marion School; Rensselaer, Indiana.

### **Calvin Beaman,**

1957 — Supervising Teacher of Mathematics, Rensselaer High School; Rensselaer, Indiana.

### **Raymond H. Bevington,**

1958 — Supervising Teacher of English and Social Studies, Rensselaer High School; Rensselaer, Indiana.

### **Hilda Brackwinkle,**

1958 — Supervising Teacher of English, Brook High School; Brook, Indiana.

### **Amy Cooper,**

1957 — Supervising Teacher of Elementary Subjects, Brook Public Schools; Brook, Indiana.

### **Baird F. Cox,**

1958 — Supervising Teacher of Social Studies, Hanging Grove School; Rensselaer, Indiana.

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**Paul E. Curtis,**  
1958 — Supervising Teacher of Physical Education and Mathematics, Brook High School; Brook, Indiana.

**Lenore Dowden,**  
1957 — Supervising Teacher of English, Rensselaer High School; Rensselaer, Indiana.

**Harold L. Eaton,**  
1957 — Supervising Teacher of Biology, Rensselaer High School; Rensselaer, Indiana.

**William D. Elbert,**  
1957 — Supervising Teacher of Physical Education, A. J. Kent High School; Kentland, Indiana.

**Robert E. Fuson,**  
1957 — Supervising Teacher of Physical Education and Social Studies, Remington High School; Remington, Indiana.

**Leslie Gordon,**  
1957 — Supervising Teacher of Mathematics and Science, Rensselaer High School; Rensselaer, Indiana.

**Harold C. Houghland,**  
1958 — Supervising Teacher of Mathematics, Mt. Ayr High School; Mt. Ayr, Indiana.

**Charles A. James,**  
1958 — Supervising Teacher of Social Studies, Brook High School; Brook, Indiana.

**Mary Kitsmuller,**  
1957 — Supervising Teacher of English, A. J. Kent High School; Kentland, Indiana.

**Ray D. Manis,**  
1958 — Supervising Teacher of Physical Education, Rensselaer High School; Rensselaer, Indiana.

**Donald Pauley,**  
1957 — Supervising Teacher of Physical Education, A. J. Kent High School; Kentland, Indiana.

**Orland Rhinehart,**  
1957 — Supervising Teacher of Social Studies, Rensselaer High School; Rensselaer, Indiana.

**Robin W. Smith,**  
1957 — Supervising Teacher of Social Studies, Mt. Ayr High School; Mt. Ayr, Indiana.

**Sr. M. Jane Francis,**  
1958 — C.P.P.S. Supervising Teacher of Elementary Subjects, St. Augustine Grade School; Rensselaer, Indiana.

**Sr. M. Hilaria,**  
1958 — O.S.F. Supervising Teacher of Elementary Subjects, Sacred Heart School; Remington, Indiana.

**Vaugh Waters,**  
1957 — Supervising Teacher of Social Studies, Rensselaer High School; Rensselaer, Indiana.

**Edward S. Wiles,**  
1957 — Supervising Teacher of Social Studies, Mt. Ayr High School; Mt. Ayr, Indiana.

**Hallie Wolfe,**  
1957 — Supervising Teacher of Commerce, Remington High School; Remington, Indiana.

## PURPOSE AND AIMS

Saint Joseph's College is an independent institution of higher learning dedicated to being a community of scholars — teachers and students — working in mutual association under the leadership and direction of its teachers, towards the spread, preservation, clarification, discovery and defense of truth. Whether the truths of the science, arts and skills be viewed as revealed or acquired, as speculative or practical, as moral or artistic, the dedication to these truths and the search for them is the primary purpose of Saint Joseph's. The academic and the general policies and procedures of the college as well as the relationship of Saint Joseph's to its public are conceived and carried out in terms of this basic purpose.

At the same time, Saint Joseph's College also recognizes that it exists in the larger context of society, and that its faculty and students have definite relations and obligations to the family, the state and the Catholic Church, as well as to various other societies representing industry, business, labor, health and recreation. For this reason, the College adopts as its own those aims toward which the family, state, church and other societies are directed.

Foremost among these aims which the College actively provides for and promotes is that goodness of personal, family, social and religious life made possible by practice of the theological and moral virtues. In this respect, the College again maintains that both faculty and students can understand better what they must be and what they must do in the city of man so as to attain their sublime end in the city of God, by means of fulfilling their calling in life as witnesses to truth.

The College adopts and proposes to its faculty and students other worthy aims which are required and helpful to them in seeking and in striving for goodness of life. Among these are the need for observing social justice as well as of pursuing individual rights, the importance of fulfilling one's vocation in life, and the need of discipline, of recreation and of mental and physical health. But it is the belief of Saint Joseph's College that no matter how worthwhile these aims are, they can be more surely achieved to the extent that teacher and student are dedicated to their proper purpose, truth.

Moreover, the College believes in truth for our age and times. It places its emphasis on the truths of the sciences, arts and skills with

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which it is concerned and chooses its curriculum in terms of the problem, questions and needs of the time in which it lives. Saint Joseph's College is convinced that any and all of the truths which it considers—whatever they may be—are to be sought for their own sake primarily; for it is only in this way that they can lead to goodness of life, further the good of family, state and church, and be of value to industry, business and all human endeavors.

In conclusion, the primary consideration and concern of the College is for the academic community of teachers and students, to whom it offers a permanent vocation as witnesses to truth. The library, the counselling of students, the social, recreational and physical facilities, the classrooms and laboratories—all are viewed as means and as conditions contributing towards its main purpose, truth.

## COLLEGE HISTORY AND CAMPUS

## HISTORICAL SKETCH

In 1868, a frame dwelling was erected a mile south of Rensselaer as a home for thirty-five orphans. The home was closed in 1887. Two years later, the Most Reverend Joseph Dwenger, bishop of the Diocese of Fort Wayne, offered the vacant orphans' home and the land to Father Henry Drees, then Provincial of the Society of the Precious Blood, with the stipulation that a college be founded there. During the same year, 1889, Saint Joseph's College was incorporated under the laws of the State of Indiana with the right to grant the usual degrees.

With the coming of summer, 1891, the first building, now the southern half of the Administration Building, was finished, and the first students were enrolled. In 1893 the building was extended to its present proportions.

Education at early Saint Joseph's was on two distinct levels, the high school and the junior college. The aim was to prepare students for professional schools and seminaries, for teaching, and for immediate entry into business. The new college passed its first major landmark June 16, 1896, when it presented diplomas to twelve students, its first class of graduates.

The original aims of Saint Joseph's changed little up to 1925. At that time the college was converted into a minor seminary, and for a period of six years admitted only students preparing for the priesthood. The status of academy and junior college was re-established in 1931, and plans for the expansion of the school were formulated. Saint Joseph's began to operate as a senior college in 1936, and in June, 1938, its first class of four-year men was graduated.

Principal buildings on the campus at that time were the Chapel, Administration Building, Gaspar Hall, Dwenger Hall, Science Hall, Drexel Hall, and the Power Plant. A building program was launched in the summer of 1939, and between that year and 1941 were erected Seifert Hall, Merlini Hall, Xavier Hall, and the Fieldhouse.

The program of expansion was cut short by the war and was not resumed until the summer of 1946 when extensive work was done on the Cafeteria, Fieldhouse, Library, and Publications Building. In 1956, Bennett and Noll Halls were completed; in 1958, Gallagher and Halas Halls.

Since its founding in 1889, Saint Joseph's has had the following twelve presidents: The Very Revs. Augustine Seifert, Benedict Boebner, Hugo Lear, Ignatius Wagner, Didacus Brackmann, Joseph Kenkel, Rufus Esser, Cyril Knue, Aloys Dirksen, Henry Lucks, Alfred Zanolar, and Raphael Gross.

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### CAMPUS AND BUILDINGS

One hundred and thirty acres have been laid out in parks, lawns, and campus. Dotting the campus are fourteen buildings designed to serve the educational needs of Saint Joseph's students.

**The Administration Building** is centrally located near the main entrance to the campus. The first floor houses the offices of administration. The second and third floors afford residence for clerical members of the faculty.

**The Chapel**, dedicated in May, 1910, is the most imposing edifice on the campus. It is an attractive brick and stone structure in the Romanesque style of architecture. Its large sanctuary provides ample room for the proper observance of the beautiful solemn ceremonies of the Church. Beneath the chapel is the cafeteria. Renovated in the summer of 1946, this large hall accommodates Saint Joseph's students in bright and cheerful surroundings.

**Gaspar Hall**, one of the oldest buildings on the campus and formerly a faculty residence, houses approximately fifty students. It is named in honor of the founder of the Society of the Precious Blood, Saint Gaspar del Bufalo.

**Dwenger Hall**, named for the second bishop of the Diocese of Fort Wayne, serves as an infirmary and dispensary. It was erected during the summer of 1907.

**Drexel Hall**, built in 1887, was at one time used as a school for Indians. Renovated in 1937, the three-story structure became the home of Saint Joseph's upper classmen. It is named after Mother Catherine Drexel who provided funds for its erection.

**Xavier Hall**, dedicated to Saint Francis Xavier, patron of the Society of the Precious Blood, is the residence of the students who are preparing for the priesthood in the Society. It was erected in the fall of 1940.

**Seifert Hall**, residence hall for sophomores, was finished in 1939. It was named for Saint Joseph's first president, the Very Reverend Augustine Seifert, C.P.P.S. The hall accommodates one hundred and fifty students.

**Merlini Hall** was dedicated in the fall of 1940. It has been named after the Venerable John Merlini, the Third Moderator-General of the Society of the Precious Blood. It accommodates ninety students.

**Noll Hall**, dedicated in the spring of 1955, is named after the Most Reverend John F. Noll, Bishop of Fort Wayne, an alumnus and generous patron of the college. It houses ninety-eight students.

**Bennett Hall**, dedicated in the spring of 1955, is named after the Most Reverend John G. Bennett, first Bishop of Lafayette in Indiana, an alumnus and generous patron of the college. It houses ninety-eight students.

**Gallagher Hall**, dedicated in the fall of 1958, is named after Robert A. Gallagher, First Chairman of the Saint Joseph's College Board of Lay Trustees. It houses 120 students.

**Halas Hall**, dedicated in the fall of 1958, is named after George S. Halas, a member of the Board of Lay Trustees and a generous patron of the College. It houses 120 students.

**The Science-Library Building** consists of a north-south wing, completed in 1915, and an east-west wing, added in 1936. The former houses the music department, the auditorium, and the library. The new wing is devoted to classroom space, physics, chemistry, biology, geology, and special research laboratories.

**The Publications Building** is a former power plant which was completely renovated in 1946 to provide space for offices of the various campus publications. In addition it houses the offices of the Saint Joseph's College Alumni Association.

**The Fieldhouse** was erected in 1940. Changes made in 1946 have provided seating for two thousand spectators and locker space for some five hundred participants in the sports program.

**The Raleigh Recreation Hall**, located near the Fieldhouse, was erected in 1947. This building is furnished with a spacious lounge, soda fountain, billiard and pool tables, and card and game rooms.

**The Library.** The library is a vital part of the institution's educational program. It attempts not only to implement and extend class instruction by stimulating study and research, but also to supply such recreational reading material as will foster a love for good books and cultural reading generally.

The library, greatly enlarged and refurnished in 1946, is centrally located, convenient to classrooms and residence halls. In its new location it comprises over eighteen thousand square feet of floor space, sufficient to seat two hundred students and to accommodate more than one hundred thousand volumes. Though the entire library was planned to be functional, it provides an atmosphere of quiet, simple beauty. Here in well-lighted rooms, conducive to study,

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the student will find selected material for research and for leisure-time reading. Near the circulation desk and reference room is the reference librarian's desk, where a trained librarian is ready to help the student on a research project or to give him guidance in a reading program.

On the main floor, besides the reference room and current periodicals room, is a special reading room where the student has access to collections of the "great books" of all ages.

For the student's convenience there is a room set aside for typing and for microfilm reading. Two conference rooms are also provided on the main floor where small classes may use extensive library material as part of their class work. These rooms are available to groups of students working together on some project requiring cooperative use of library materials. In the lower stack area there are forty-five carrels which provide the student with an individual study desk located near a large, selected group of bound periodicals and journals.

The library has over fifty-seven thousand books and bound periodicals. There is also a large collection of Government documents. Over four hundred and fifty periodicals are currently received. In vertical files, in the reference room, there is a selected group of pamphlets and a separate collection of vocational guidance material.

Special instruction in the use of the library forms an important part of the orientation program during freshman week. This systematic introduction to the resources of the library is continued throughout the first semester so that students in every department may obtain immediate library efficiency for their college work and may retain a life-long acquaintance with library tools.

**The College Community Association.** This association, a community project for College families, was formally approved and incorporated under the laws of Indiana, December 14, 1956. The College has backed this project with the aid of the 1955 Ford Faculty Grant and has made available a 25 acre wooded area for homes. The membership corporation controlling the project has the following Officers: Dr. Jay Barton, President; Mr. Bernard E. Qubeck, Vice-President; Dr. Richard F. Scharf, Secretary-Treasurer.

**Laboratory Facilities.** Science Hall houses the laboratory facilities for the Departments of Biology, Chemistry, Geology, and Physics.

The biology laboratories, situated on the second floor of Science Hall, provide up-to-date equipment for courses in fundamental zoology

and botany, microtechnique, bacteriology, embryology, histology, comparative vertebrate anatomy, human anatomy, and physiology.

On the third floor of Science Hall are well-equipped laboratories for the use of students of general inorganic and organic chemistry, biochemistry, quantitative and qualitative analysis, and physical chemistry. In addition there is a large demonstration laboratory.

Geology laboratories, adequate for courses in physical geology, historical geology, mineralogy, petrology, and paleontology, are found on the basement level in Science Hall.

The physics laboratories, also situated on the basement level in Science Hall, are equipped for courses in general college physics, electricity and magnetism, physical optics, meteorology, physics of radiology, modern physics, heat, electronics, and radio.

**Research.** In September of 1946, Father Urban J. Siegrist began special research work in connection with the Institutum Divi Thomae, which was founded in 1928 by the Most Reverend John T. McNicholas, O.P., S.T.M., Archbishop of Cincinnati.

A laboratory for research in cellular physiology was built in 1955 under the direction of Doctor Jay Barton who is currently investigating the chemistry and physiology of all nuclei.

**Music Department.** Saint Joseph's has long recognized the value of music and its contribution to a liberal education. The College seeks to give every student an opportunity for musical expression according to his talent or inclination. In addition to the courses in musical theory, instruction in applied music is available in voice, piano, organ, and all band and orchestral instruments. Students with previous training and experience are urged to join the band, orchestra, or glee club.

**Music Conservatory.** Staffed by members of the music faculty, the conservatory offers a program of musical instruction without credit. Applications are not limited to currently enrolled students of the college. There are no specific requirements for admission. Enrollment may be made at any time for private lessons or for class work.

## STUDENT PERSONNEL SERVICES

## STUDENT GUIDANCE

**Orientation Program.** At the opening of the fall semester, the College conducts an orientation program for all new students. Placement tests are given to provide a basis for counseling and guiding the students in the selection of courses and in assigning them to class sections. Faculty members act as counselors and assist new students in planning their programs for the first semester. In meetings held during the week, the student learns about Saint Joseph's—its traditions, equipment, regulations, and opportunities.

It is the purpose of the College to make the activities of orientation week as interesting and helpful as possible, so that by the time classes begin the new students are settled and are acquainted with the campus, the faculty, and classmates.

**The Testing Program.** Students entering Saint Joseph's take orientation tests in various fields, the results of which are used chiefly to give the counselor information needed in planning wisely the educational program of his counselees.

Other tests required of all students, in addition to those prescribed by the instructors in the classes, are the Sophomore General Culture Test, administered at the end of the sophomore year, and the Graduate Record Examination, which the student takes prior to graduation. Results of these tests are used to check the student's progress and to compare the achievement of Saint Joseph's students with that of students of other colleges.

**Counseling.** The Director of Guidance assigns to each freshman a member of the faculty to act as his advisor in educational, vocational, and personal matters. Students above the freshman level are permitted to select their own counselors from a list prepared by the Director of Guidance.

Each faculty counselor has access to grades, test results, health record, and other pertinent information on his counselees so that he may be better acquainted with their individual problems.

**Religious Exercises.** The forming of a true Christian character in the student is the highest aim in education. This happy result can be attained only through religion. The student, therefore, should prize the knowledge and love of religion as his richest posession, and he

should be eager to do his part in helping to create and to maintain a religious atmosphere in the daily life on the campus.

All Catholic students are required to make the annual student retreat and are urged to attend daily Mass and Benediction as also the various devotions. Opportunity for confession is available daily.

The program of religious exercises is arranged by the Chaplain, who is likewise available for consultation on matters of religious observance.

**Health Service.** The student infirmary and the dispensary are under the supervision of two trained nurses. To insure proper care, quiet, and comfort for sick students, the infirmary is provided with efficient and modern equipment.

At Saint Joseph's, emphasis is placed upon health and physical fitness. All students accepted for admission are required to furnish a statement from a reputable physician attesting to a state of general good health. They are further required to present evidence of immunization against smallpox and diphtheria within the previous twelve months.

All entering students are given a thorough physical examination by the college health service staff. Included in this examination is a tuberculin test. Those who react positively are given a chest X-ray examination.

Members of the college athletic teams are examined annually by the college physician to insure the physical fitness of all players.

**Recreation and Athletics.** Recreational activities have been a part of every civilization, and educators, past and present, are in agreement that competitive sports can be helpful in directing the energies of young men into wholesome channels to the end that student health be safeguarded and physical fitness promoted. Inter-collegiate athletics, properly supervised and controlled, contribute to the total educational program of a college.

Saint Joseph's is a member of the Indiana Intercollegiate Athletic Conference. A program of intercollegiate games is provided in football, basketball, baseball, track, golf, bowling, and tennis. In addition, the College also supports a well-developed program of intramural games with the idea that all students should participate in sports and "carry-over" recreational skills useful in a society apparently destined to enjoy increasingly more leisure time.

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Students participating in intramurals are urged to get insurance coverage; the College will not be responsible for injuries incurred in intramural games.

Furthermore, in order to develop leaders in the area of physical education, the College maintains a Department of Physical Education staffed by competent teachers, supported by a curriculum of standard quality, and supplemented by "laboratory" experience provided through its program of intercollegiate and intramural sports. In all forms of recreation and physical development, the spirit a friendly competition is encouraged and the habit of fair play is inculcated.

In its athletic program, Saint Joseph's College is governed by the policies of the North Central Association of Colleges and Secondary Schools and by the rules of the Indiana Intercollegiate Conferences.

Recognizing the excellent athletic and physical training facilities provided by Saint Joseph's, the Chicago Bears of the National Professional Football League have selected the College as their pre-season training site each summer since 1944.

**Veterans Assistance.** Saint Joseph's College is officially approved as a school for veterans of military service under the provisions of Public Law 550 and 894 for the Korean veteran, and for war orphans under Public Law 634. For further information, those concerned should address the office of the Registrar.

**Military Service.** Selective Service provides qualified students with various opportunities for deferment, and the College makes special effort to acquaint its students with these opportunities.

The Selective Service regulations, as they affect students, were written so as to provide young men with an opportunity to attain the highest educational status possible in order that they may be better suited to serve the defense needs of the nation. It is the experience of the College and its students that almost all draft boards agree with this objective and are willing to defer qualified students to enable them to continue their education. A folder outlining current Selective Service regulations as they affect students is available upon request from the College.

While Saint Joseph's does not offer R.O.T.C. programs, students in our accredited College are eligible to enlist in the U.S. Marine Corps Platoon Leaders Class, a program carrying draft deferment until graduation and leading to a commission and active duty in the

## PERSONNEL SERVICES 25

Marine Corps. A folder descriptive of the Platoon Leaders Class is available at the College.

Representatives of the various branches of the armed forces periodically visit the campus to acquaint students with the opportunities for specialized service after graduation.

**Placement.** The College does not regard its work as finished until it has seen its graduates established in suitable employment. A placement bureau is operated by an experienced staff member who advises the student in choosing his first job and, when necessary, assists him in finding employment in his chosen field, both directly and through cooperation with recognized governmental and private employment agencies.

## ORGANIZATIONS AND ACTIVITIES

**Student Government.** All members of the student body of Saint Joseph's College, exclusive of the seminarians of the Society of the Precious Blood, are members of the Student Union and are governed by its constitution. Its student-elected officers, the four class presidents, and the chairman of the intra-club committee comprise the Student Council. The Student Council, or its committees, representing the Student Union, serves as a channel of communication and consultation between the student body and the faculty and administrative officers of the College.

**Extracurricular Professional Groups.** While the academic life has first claim on the student's time, membership in campus professional-interest groups is heartily encouraged at Saint Joseph's. Such associations enable the student to meet his fellow students and his instructors formally and to learn about his chosen field through group projects, movies, field trips, club meetings, and through contact with prominent men who appear as guest speakers.

Participation in these activities stimulates common professional inclinations, promotes cooperative efforts, and complements the classroom teaching by experiences in group planning.

Included among these professional-interest groups at Saint Joseph's are: the **Commerce Club** for business students which sponsors the annual **Father Gordon Award**; the **Debating Club**; the **Engineers Club**; the **History Club** for those who take courses in that area; the **Albertus Magnus Society**, the **Geology**, and the **Biology** clubs for those who are studying the natural sciences.

In the fine arts, Saint Joseph's has long realized the value of dramatic and musical activities in college life; through them the student becomes an active participant in the artistic accomplishment of others.

Students can find an outlet for their dramatic talent in the **Columbian Players**, the College's oldest extracurricular society. Each year the group presents productions, builds its own stage settings, and handles all lighting equipment, under the supervision of an experienced faculty director.

The Saint Joseph's Glee Club, composed of students of all classes, appears not only in campus concerts but also in an increasing number of off-campus programs and radio broadcasts. Yearly, the group presents a musicale in conjunction with the chorus from a college for women. The Glee Club also sponsors the annual **Louis F. White Memorial Award**.

The College Choir sings at Mass on Sunday and at various other liturgical functions.

The Band also offers splendid opportunities to the musician. In season, the band appears for outdoor concerts, and plays for athletic contests. The Christmas concert is one of the outstanding musical highlights of the year.

Three campus publications afford students experience in different types of writing. **Stuff** is the campus bi-weekly newspaper. **Measure**, the literary journal, contains longer articles, such as research papers, short stories, plays, essays, poetry, and book reviews. **Phase**, the pictorial yearbook, makes its appearance toward the end of the second semester.

**Social Clubs.** Social and recreational activities, too, are recognized at Saint Joseph's as necessary for the proper development of the student. Membership in campus clubs and participation in the year's social events are strongly encouraged. Each year various student organizations sponsor dances, highlighted by the fall homecoming celebration and the spring formal prom, in addition to a number of Saturday night "mixers" to which young ladies from colleges for women are invited. Saint Joseph's students also attend functions on the girls' campuses.

Social organizations on the campus include the **Monogram Club** for varsity lettermen, **The Father Falter Veterans Post**, the **Chicago and Lake County Clubs**, the **Farley Stamp Club** and the **Camera Club**.

**Religious Groups.** Several of the extracurricular campus societies have objectives which are primarily religious.

The **Don Bosco Club** is for altar boys and for those students who would like to learn to serve at Mass. Daily, about fifty priests offer Mass in the three campus chapels.

The **Sanguinist Club** is the official campus organization for Catholic Action. Under the club are the **Holy Name Society** and the **Pious Union of the Precious Blood**. The Sanguinists assist in the organizing of religious activities at the College.

Affiliated with the Catholic Students' Mission Crusade, the **Dwenger Mission Society** has as its object the study of home and foreign missions and the promotion of their welfare by prayer, sacrifice, and small fund-raising projects.

### SUPERVISION OF STUDENT LIFE

The College assumes that men of college age have an adequate conception of the duties and responsibilities expected of them, and that every student who enters Saint Joseph's thereby indicates his readiness to comply with its rules and regulations. At the same time it recognizes an obligation to both students and parents to provide advisory and supervisory agencies.

In matters pertaining to social life, discipline, curriculum, and scholarship, all students come under the counsel and supervision of the Coordinator of Student Affairs, the Dean of Men, and the Dean of the College, according to the respective jurisdiction of each office. Matters of health are in charge of the College Physician. Administrative officers, assisted by student-faculty committees, make it their purpose to become familiar with student problems and to secure the observance of adopted policies and faculty regulations.

As a further part of the system of supervision, each residence hall has a Rector and one or more faculty members in residence whose duty it is to preserve order and promote proper conditions for study.

**Discipline.** Upon entering, each student is furnished with a Student Handbook in which the specific rules of discipline and other regulations are contained. The Dean of Men is the official representative of the College in matters pertaining to the observance of right order and good citizenship both on and off the campus.

Attendance at Saint Joseph's is a privilege and not a right, and it is understood that this privilege may be withdrawn from anyone who does not conform to the traditions and regulations of the College. Every effort is made to encourage the student toward self-government in accordance with the ideals of obedience, honesty, courtesy, and charity. When, however, a student manifests an inability or unwillingness to cooperate with the College in maintaining its regulations and policies he subjects himself to disciplinary action. Matters of discipline are handled by the Dean of Men and the Committee on Discipline. The jurisdiction of the Committee includes cases of dishonesty, intoxication, immoral or improper conduct, serious violation of campus regulations, or behavior prejudicial to the welfare of the student or the best interests of the College. The penalties imposed by the Committee on Discipline may be probation, suspension, dismissal, or other action they may deem advisable.

**Leave of Absence.** Permission to leave the campus overnight, or for a longer period of time, must be requested from the Dean of Men. Freshmen may secure weekend permissions once every four weeks. Regarding town nights, freshmen are generally permitted Saturday and Sunday nights until 11:30. They may visit Rensselaer during the day without special permission, but must be on campus by 9:00 p.m., except on town nights.

**Sickness.** Any student requiring the services of the infirmarian should present himself at the Health Center in Dwenger Hall during the appointed hours. Emergency cases will, of course, be taken care of at any time. No student will be excused from class on the plea that he was sick unless he has seen the infirmarian before he misses the class. When a student is advised by the infirmarian to remain as a patient, the Dean of Men must be informed.

**Study Hour.** Freshmen and sophomores are to observe a study period in their rooms from 9:00 to 11:00 p.m., and are to retire not later than 11:30.

**Student Rooms.** Students will be held accountable for the appearance and condition of their rooms. Occupants will, furthermore, be held responsible for any damage to the room. All necessary repairs due to carelessness will be made at their expense.

Students will be required to furnish all blankets, comforters, bedspreads, sheets, and pillow cases for personal use.

Rooms, most of which are equipped for two men, are furnished with beds and mattresses, chairs, lamps, desks, and clothes lockers.

The use of electrical appliances other than radios, record players, and electric razors is prohibited.

**Wardrobe.** Students are to dress with reasonable neatness. They should come to college sufficiently supplied with the necessary articles of use and wear. Generally, the wardrobe which a student has at home will be suitable for his purpose at college.

A private agency operates a commercial laundry on the campus and will handle campus laundry at a special rate. Students may avail themselves of this opportunity or have their laundry done at home.

**Day-Students.** Non-boarding students are admitted to Saint Joseph's provided that during their period of attendance they live either at home or with relatives responsible for them. The College has been able to assist a limited number of married students in locating suitable housing in the city of Rensselaer.

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**Employment.** Students who desire employment on or off the campus as a means of partial self-support should register at the office of the Dean of Men. While the College is in session, resident students may not accept employment off the campus or engage in any business enterprise without the written permission of the Dean of Men. Such permission is also required for canvassing or soliciting money, subscriptions, or donations, on the campus or in the city of Rensselaer.

**Automobiles.** Juniors and Seniors are permitted to have cars on the campus, but may use them only under the conditions laid down by the Dean of Men. Sophomores may bring cars to the campus only with special permission and for a serious reason. Freshmen are not permitted the use of cars.

**Visitors.** Parents and relatives of the students are welcome at the College at any time of the year. They are, however, asked to arrange their visits so as not to interfere with the student's class attendance.

## EXPENSES AND FEES

Because of uncertain conditions in the financial world, all terms entered into between the College and the students and parents of students concerning expenses are in force for the ensuing year only; they are subject to revision or renewal each year.

## Cost Each Semester

Tuition for one semester ..... \$260.00

This entitles the student to:

1. Academic instruction and advisory direction.
2. Ordinary medical care and the Health Service.
3. Subscription to campus newspaper, literary journal, and year book.
4. Admission to plays, lectures, concerts, and home athletic events.
5. Use of athletic facilities.

Board for one semester ..... \$300.00

This entitles the student to three meals a day, seven days a week, except during scheduled vacation periods.

Brothers attending simultaneously as boarders may deduct \$25.00 each semester.

Residence Hall (Freshmen, Sophomores,

Juniors, Seniors) ..... Two Man Room \$110.00

Drexel Hall (Freshmen) ..... Two Man Room 85.00

Gaspar Hall (Freshmen) ..... Two Man Room 90.00

Dormitory Houses (Sophomores, Juniors, Seniors)

Washburn, White, Scharf (and limited number  
of three man rooms) ..... 70.00

## Special Fees

Application fee (paid once—at time of application) ..... \$ 3.00

Student Union fee (paid each semester) ..... 10.00

Graduation fee (paid once—Senior year) ..... 20.00

## Conditional Fees

Late registration ..... \$ 5.00

Tuition per credit hour above 17 ..... 15.00

Tuition per credit hour for part time students ..... 20.00

Laboratory Fee for science courses ..... 5.00 to 15.00

Reading Clinic (per semester) ..... 5.00

Music instruction, (applied music): one lesson per week ..... 30.00

Student teaching (Advanced Education students) ..... 20.00

Special and conditional examinations, each ..... 2.00 to 5.00

Infirmary, each day ..... 3.00

Transcript of credits (after initial copy) students .50, Alumni 1.00

\* Students taking Band for credit are exempted from the \$10.00 charge normally accompanying overload.

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### FINANCIAL REGULATIONS

Upon acceptance by the admissions officer, the student is to make an advance payment of \$25.00. This amount applies to the payment in September.

The fee of \$635.00 to \$675.00 for tuition, board, room, student union fee is due at the beginning of each semester.

For those, however, who wish to budget their payments, the following schedule is suggested:

#### FIRST SEMESTER:

\*\$300.00 at September registration.  
\$200.00 on November 10.  
Balance on December 10.

#### SECOND SEMESTER:

\$300.00 at January registration.  
\$200.00 on March 10.  
Balance on April 10.

\*The student may deduct, at this time, the \$25.00 paid at time of acceptance. (Textbooks and laundry service are not included in the above. Textbooks may be purchased on the campus. The average cost is about \$25.00 a semester. Laundry costs and spending money needs vary considerably with the individual student.)

Remittance should be made payable to Saint Joseph's College by bank draft, personal check, or postal money order through the Collegeville post-office, and mailed to: Office of the Treasurer, Saint Joseph's College, Collegeville, Indiana.

No student will be permitted to register for either semester until the initial installment, at least, has been paid.

Students whose accounts are not paid within the semester will not be admitted to the semester examinations.

Degrees, transcripts, and letters of honorable separation are withheld from those who have not settled their financial obligations to the College.

Students will be personally responsible for all expenses incurred in Rensselaer, including physician, dentist, and oculist fees.

Books, stationery, and other articles may be purchased at the College Book Store.

Students will be required to furnish all blankets, comforters, bedspreads, sheets, and pillow cases for personal use.

Charges will be made for damages to property; for medicine, applications, special nursing, and physician's services when required at the local Health Center.

**Bank.** For the convenience and education of the student, the College operates a private banking system. The student may deposit and withdraw from his account at will. Through this convenience he will learn to handle his funds with discretion and foresight.

**Refund Policy.** Students who withdraw before the end of the semester will be charged for room and board at the rate of \$3.00 for each day, no refund allowance being made for incidental absences. They will be charged for tuition and fees on the following percentage basis:

One week or less, 20%; between one and two weeks, 20%; between two and three weeks, 40%; between three and four weeks, 60%; between four and five weeks, 80%; over five weeks, 100%.

## S T U D E N T A I D

Students who need financial aid and meet the requirements of the various programs may avail themselves of the Academic Scholarship, Grant-in-Aid, and Student Employment programs. The College expects that all students who need aid will also help themselves through gainful employment during the summer months and at Christmas time.

**Academic Scholarships.** Saint Joseph's College annually offers \$20,000.00 in academic scholarships to worthy and needy high school seniors. The scholarships are awarded on the basis of academic achievement and promise as determined by the student's high school record and his scores on the College Entrance Examination Board Tests. (Scores of the Scholarship Qualifying Test taken in October for the Scholarship Testing Program of Indiana Colleges and Universities may be substituted for Indiana high school seniors. Scores of this same test may be substituted for seniors who take the test in October in other states. Seniors should request that the scores of the test be sent to Saint Joseph's College.) The amount of the scholarship is based on the student's financial needs as determined by the College in cooperation with the College Scholarship Service. While the amount of the scholarship will vary with financial need, it will never exceed \$500.00 a semester.

**Steps In Applying For A Scholarship.** Students should follow this procedure:

1. Obtain Scholarship Application Form by writing to the Admissions Counselor, Saint Joseph's College, Collegeville, Indiana.
2. Fill out Scholarship Application Form and mail to the Admissions Counselor.
3. Have High School Principal send directly to the Registrar at Saint Joseph's College the transcript of High School record.
4. Take College Entrance Examination Board Tests as described below. (Or Scholarship Tests of Indiana Colleges and Universities for Indiana high school seniors).
5. Submit Parents' Confidential Statement to the College Scholarship Service, as described below.

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**College Entrance Examination Board Tests.** All candidates for Academic Scholarships will take the Scholastic Aptitude Test (morning test) of the College Entrance Examination Board, not later than March of the year in which they wish to gain the scholarship. Registration blanks for the test, complete information on the time, place, and nature of the tests can be obtained from either of the two CEEB service centers, namely: College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey, or College Entrance Examination Board, P.O. Box 27896, Los Angeles 27, California. (Results of the test will be sent by the Board to as many colleges as the student desires.)

**College Scholarship Service.** All academic scholarships to Saint Joseph's College are based on academic ability and financial need. To help in determining the financial need of the student the College uses the College Scholarship Service. The principal instrument of the College Scholarship Service is a confidential form on which the parents of the applicant itemize pertinent family information and financial data. This statement is to be filled out only once by the parents and returned by them to the Service, which then transmits exact copies to those colleges which the parents list on the statement to receive them. The form for this confidential statement is mailed directly from Saint Joseph's College to the student as soon as his application for scholarship has been received by the College.

**Announcement of Winners.** All necessary material must be on file at Saint Joseph's College not later than May 1. The Scholarship Committee will meet on or about May 1 to determine the winners and the amount of each scholarship. On or about May 15 each candidate will be informed concerning the final action taken on his application.

**Renewal of Scholarships.** The first scholarship is granted for the freshman year. It is thereafter renewable every semester which the student spends at Saint Joseph's College until he graduates, provided that in the previous semester he has maintained at least a B average. When a student withdraws from the College the scholarship is automatically terminated and cannot be renewed except by special action of the Scholarship Committee.

**General Scholarships.** A limited number of scholarship grants of varying amounts are also available to sophomores, juniors, and seniors who give evidence of outstanding scholarly attitudes and attainments, and who establish the fact that they need financial assistance to continue in college.

All scholarship awards are made for one semester, but will be renewed for succeeding semesters provided the recipient continues as a student in good standing at Saint Joseph's and has maintained the required scholastic index which will ordinarily be interpreted to mean a general average of B grade.

These scholarships are made possible through the generosity of alumni, trustees, and other friends of the College, and through the following endowed funds.

#### **Endowed Scholarships**

**The Saint Elizabeth Foundation.** A fund established by Mrs. Elizabeth Mullen. The income from \$5,000 is available for a pre-theology student, preferably from St. Patrick's Parish, Kokomo, Indiana.

**The Monsignor O'Keefe Scholarship.** The sum of \$300 is available each year for a student or students designated by the pastor of St. Mary's Church, Akron, Ohio.

**The Monsignor Moore Scholarship.** A fund providing for tuition, board, and lodging for a pre-theology student from the Peoria Diocese.

**The Michael and Mary Brisch Scholarship.** The income from \$5,000 is available to assist in the education of a pre-theology student.

**The Father Seifert Scholarship.** The income from the Collegeville gravel deposits is available for a student or students selected by the Scholarship Committee.

**The Schumacher Family Scholarship.** The income from \$12,000 is available for a student or students selected by the Scholarship Committee.

**The Henry W. Schmidt Scholarship.** A trust fund of \$7,145 to assist students selected by the Scholarship Committee.

**The Bishop Leo A. Pursley Scholarship.** The sum of \$500 is available each year for a student from the Diocese of Fort Wayne.

**Grants-In-Aid.** Grants-in-aid are forms of financial assistance available to needy and deserving students to assist them in furthering their education. Those interested should apply to The Coordinator of Student Affairs.

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**Vocational Rehabilitation.** Under the provision of Public Law 565, the federal government and the state jointly provide funds for scholarship grants-in-aid to students who have a physical or mental impairment which constitutes a vocational handicap. The State Vocational Rehabilitation Division is responsible for the determination of the grants. In Saint Joseph's College the Registrar's Office accepts referrals for applications. The grants pay tuition and some fees.

**Student Loan Fund.** The student loan fund exists for the benefit of students who are unable to meet their current expenses. Applications are made at the Office of the Dean of Men. Approval of parents or guardians is required before a loan will be granted.

**Employment.** Among those who attend the College, some may find it necessary and expedient to contribute to their own support through employment. The student should bear in mind that gainful occupation is an activity subservient to his academic life. He should not center his attention upon anything that will detract from his scholastic progress. It is particularly difficult for the first-year student to work for self-support and carry a normal class load at the same time. He needs his time to make the necessary adjustments and to do his regular college work satisfactorily. It is doubtful whether any student should enter college without sufficient funds to defray all expenses for at least the first semester.

For those who can maintain the required scholastic average besides performing some gainful tasks, a limited number of self-aid projects are available. There are a few calls for clerical and laboratory assistants, but most openings for employment are for janitorial and dining-hall jobs. Assignments are made on the basis of financial need, academic record, and probable success in performing the duties assigned. Applications for campus employment should be filed in the office of the Dean of Men.

Resident students may not accept employment off the campus or engage in any business enterprise during the time that the College is in session without the written permission of the Dean of Men.

## ACADEMIC POLICIES AND PROCEDURES

The provisions of this Catalogue represent adopted policies and current practices, but are not to be regarded as an irrevocable contract between the College and the student. The College reserves the right to change provisions or requirements and to fix the time when such changes shall become effective.

**Admission.** All correspondence relating to admission should be addressed to the Office of the Registrar, Saint Joseph's College, Collegeville, Indiana. Application for admission should be filed as early as possible, and all credentials should be in the hands of the Registrar at least three weeks before the opening of the school term. Application forms will be sent upon request. An application fee of \$3.00, not refundable and not applicable to other charges, must accompany the application. All credentials submitted as part of the admission procedure become the property of the College.

**General Requirements For Admission.** All applicants shall comply with the following requirements:

1. Application form filled out completely by the applicant.
2. Official transcript of credits from all high schools and colleges previously attended, mailed directly from the schools to the Registrar.
3. Evidence of good health and proper immunization provided on and official medical certificate form supplied by the Registrar after an application has been approved.
4. Notification of acceptance from the Registrar. Final action in each case is based upon satisfactory evidence of moral fitness and scholastic ability of the applicant to succeed and profit as a student at Saint Joseph's College. The Committee on Admissions reserves the right to require any candidate to submit additional evidence in this regard before making its decision.

**Admission to Freshman Standing.** Candidates for freshman standing will be selected from among applicants who, in addition to

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being persons of wholesome character, sound morals, and good citizenship, present the following academic qualifications:

1. Certificate of graduation from an approved high school. Graduates from other high schools may be accepted conditionally; full standing will be dependent upon subsequent work.

2. Minimum of fifteen units, ten of which must be from the following academic fields: English, Foreign Language, Social Studies, Mathematics, and Natural Science. (It is not necessary that all of these fields be represented in the ten units). The term "unit", expressing a measure of academic credit, represents a subject carried through not fewer than thirty-two weeks with five recitations a week, or the equivalent.

3. Two of the following three criteria of academic achievement and aptitude:

- a) Average of C or 80 or equivalent in total high school work.
- b) Rank in upper half of high school graduation class.
- c) I.Q. of 110 or equivalent.

**Note:** Whether or not the student meets these entrance requirements will be determined on the basis of information contained in his high school record. It is understood that these minimum requirements do not necessarily guarantee an applicant's admittance. From among the applicants who meet the entrance requirements, the College reserves the right to select those best qualified to succeed at Saint Joseph's. For this reason, the approval or rejection of an application may, in some cases, be deferred till later in the admissions period.

### Exceptions:

1. Applicants who fail to meet all of the above qualifications, and yet for other reasons give promise of success in college, may be permitted to take an entrance examination or be admitted upon the exceptional recommendation of the high school principal or counsellor.
2. Where in individual cases the applicant meets the regular requirements for admission and yet shows signs of inadequate preparation for college, the Committee on Admissions may require further evidence through an entrance examination or other means.

**Admission To Advanced Standing.** Students transferring from other institutions whose curricula are substantially the same as those of Saint Joseph's may be admitted with advanced standing. Transfer students must:

1. Meet the general entrance requirements.
2. Be eligible to continue in the institution from which they wish to transfer.
3. Be entitled to honorable separation from the institution last attended.

Transfer credit is acceptable only when the grade on such work is the equivalent of at least a C grade at Saint Joseph's College. No credit will be allowed for work which is not declared prior to admission.

**Admission of Special Students.** Mature students who wish to pursue particular studies without being candidates for a degree may be admitted as special students if it seems that they can profit from such work. In no case, however, will an applicant under twenty-one years of age be considered eligible to enter as a special student unless he has graduated from high school.

Work done by special students will not be counted towards a degree until all entrance requirements have been fulfilled.

**Enrollment.** All students are expected to report on the campus on the days officially designated in the College calendar. No new student will be admitted unless he has received official notice of acceptance from the Office of the Registrar.

**Registration.** No student will receive credit for any subject taken in a class for which he has not been duly registered.

After a student's class schedule has been approved, changes in courses or class sections must in each instance be approved and properly recorded in the Registrar's Office.

**Late Enrollment.** Students failing to enroll or to pay fees and tuition on enrollment day as designated in the catalogue must pay a late enrollment fee.

**Class Schedule.** A "Schedule of Classes" is published at the beginning of each semester, showing the courses that are offered, the time of meetings, the room numbers, and the instructors. The College reserves the right to withdraw an announced course for which fewer than five students register. It also reserves the right to assign students to class sections and to limit the number of students who may elect a course in case the class becomes unduly crowded or is of such a nature that limited enrollment will be advantageous.

Faculty counselors will assist students in planning their programs of study. The suggested programs which are listed in the catalogue for each department in which a major sequence is offered may serve as preliminary guides for the tentative selection of courses. In all cases it is advisable that the student select his major by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives. A student's semester schedule of classes will not be considered final until it has been approved and filed in the Office of the Registrar. Opportunity for necessary adjustments in class schedules is provided during the first week of classes in each semester.

**Change of Schedule and Cancellation of Courses.** During the first week after the beginning of classes in each semester a student may, with consent of the Registrar, change his schedule by adding or cancelling courses. Courses cancelled during this period do not appear on his permanent record. The student, however, is encouraged to register with care so that such class changes become unnecessary or are reduced to a minimum.

**Class Load.** The normal amount of work for which a student registers in one semester is sixteen or seventeen hours. To be classified as a full-time student he must register for a minimum of twelve semester hours, or for class work totaling at least fifteen periods per week. Permission to register for a course in excess of eighteen hours must be obtained from the Dean of the College; the basis for such permission shall be the student's ability as evidenced by previous college work. An extra tuition charge of \$15.00 for each credit hour in excess of seventeen will be applied to the student's account, except in those cases where the departmental program recommended in the catalogue requires more than seventeen hours in a particular semester.

**Class Attendance.** Students are required to attend regularly all lectures, laboratory exercises, tests, and examinations, with the reservations stated below.

Unexcused absences (hereafter called "cuts") are allowed in any semester course to the number of credits in that course; thus, two cuts are permitted in a two-credit course, three cuts in a three-credit course. A one and a half cut is the penalty for missing a course meeting twice a week for 75 minutes.

Cuts are to be used for the following reasons: temporary physical indisposition (colds, headaches, upset stomach, etc.); trip

home for dental work or medical consultation; special family events, such as reunions or anniversaries; attendance at the wedding or funeral of a friend or a relative not of the immediate family; student trip with the College Varsity.

Cutting beyond the number of times allowed puts the student into what is called "provisional status" and places upon him the burden of clearing himself promptly in the following manner: having first presented to the instructor an official Dean-of-the-College voucher of payment of the required fee (\$2.00), he makes a passing grade in a special examination or does work to the satisfaction of the instructor. Failing to clear himself within seven days after his return to class, he loses credit for the course.

As soon as a student's cuts reach twice the number allowed, he automatically loses the semester credit in the course. He no longer has the opportunity afforded by "provisional status" as outlined in the preceding paragraph. Thus, in a three-credit course, a total of six cuts results in automatic loss of credit.

Not counted as cuts are unavoidable absences for certain reasons properly verified by the Dean of Men and so attested by his official voucher. This voucher is in each case to be presented to the instructor within seven days after the student's return to class. The following are the only reasons for which official vouchers are given:

- a) Such sickness of the student as incapacitates him for class attendance (so attested by the infirmarian or a physician).
- b) Death or serious illness in the student's immediate family.
- c) Attendance at the wedding of a brother or sister.
- d) Properly authorized engagement in the interests of the College.
- e) Properly authorized participation as a team member in intercollegiate competition.
- f) Official government summons.

Absences are counted from the first day of class in any course. Therefore, classes missed because of late registration are counted as cuts, except in these cases:

- a) A new student who has enrolled late in the College.
- b) A student who, with permission of the Dean of the College, transfers from one course to another course. Shifting to another section of the same course does not eliminate cuts taken in the first section.

A cut from the last class of any course before or from the

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first class after a holiday or recess is counted as a double cut except in the case of one-credit courses.

Tardiness and dismissal from class for disciplinary reasons may, at the instructor's discretion, be rated as cuts.

Cutting an announced test or examination incurs a grade of F. This may be removed by the passing of a special test after certification by the Dean of the College that the required fee has been paid. Excused absences may be handled in the same manner, except that the fee may be remitted by the Dean of the College.

**Withdrawal from courses.** After the limit for changes in class schedule, Seniors, Juniors, and Sophomores may not withdraw from a course for which they are registered except with permission of the Academic Dean, after presenting written evidence of consultation with their professor and faculty advisor. Forms for this purpose can be obtained at the Office of the Academic Dean. Such withdrawals will be indicated on the student's record with the letter "W." By discontinuing a course without an official withdrawal, he automatically incurs an "F." No official withdrawals will be given later than one month after the opening of classes in each semester.

In his first semester at college, however, a freshman may withdraw without penalty of failure until one week after the mid-semester grading period. (See College Calendar). He likewise must secure permission of the Academic Dean, after presenting written evidence of consultation with his professor and faculty adviser. Forms for this purpose can be obtained at the Office of the Academic Dean.

**Withdrawal From The College.** Any student (except he be a graduating senior) who, as the end of a semester approaches, is aware that he will not register for the following semester is asked in courtesy so to inform the Registrar and the Dean of Men. About to withdraw from the College during a semester, he must report this fact to the Dean of Men and the Registrar; failing to do so he will forfeit to honorabl separation. Students who discontinue either during or at the end of a semester without having settled their financial obligations to the College will be refused honorable separation and official transcript of credit until all accounts are paid.

**Good Standing.** A student is granted honorable separation provided he is in good standing. This signifies that the student is eligible to continue, to return, or to transfer elsewhere. It implies good academic standing as well as good citizenship.

**Credits.** The unit of academic credit is the semester hour. It represents the work of a semester course which meets once weekly for

a fifty-minute period requiring approximately two periods of preparation. Thus, a class which meets twice weekly carries two hours of credit; three times weekly, three credits. One laboratory period (two to four hours) is the equivalent of one class meeting. The passing grade required before a student can receive credit is D.

**Credit By Examination.** Any regularly enrolled student of Saint Joseph's College in good academic standing may receive credit for any course in which he gives evidence of superior achievement by passing an examination in the subject matter of the course with a grade of A or B. The credit and grade thus earned will be entered on the student's academic record and will count towards fulfillment of the regular requirements for graduation.

Courses (with grade and credit) earned through credit by examination are not computed in the semester index but only in the cumulative index.

1. Schedule of Tests: (a) at the beginning of the first semester; (b) the first semester final examinations; application must be made before the student leaves for Christmas vacation; (b) the second semester final examinations; application must be made before May 1.

2. Application to take credit by examination is made at the Office of the Academic Dean.

3. Eligibility. (a) No student may receive credit by examination in a course for which he is currently enrolled for credit, or has, at some time, enrolled for credit or for audit; (b) courses involving laboratory, experience or practice cannot be taken through credit by examination.

4. Recording of tests. A record shall be kept in the student's folder of all tests taken with the intention of receiving credit by examination. Only those courses, however, for which the student receives credit (by a grade of A or B) will be entered onto his permanent scholastic record, and they shall be designated as Credit by Examination.

5. Fees. The fee for each test taken to obtain Credit by Examination is \$5.00.

6. Tests. The tests shall be regular semester tests of the type given in the course for which the student is seeking credit. Such tests shall be made out, scored, graded and administered by an Instructor appointed by the Academic Dean.

**Auditing Courses.** Auditing a course means attending class without obligation with respect to regularity of attendance, outside class work, tests, or examinations. Students register for audit courses in the same manner as for credit courses. The total number of credit and audit hours combined for which a student registers may never exceed twenty-one a semester. Audited courses are re-

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corded in the Registrar's Office but do not form a part of the student's permanent scholastic record. For full-time students the fee for auditing a course is \$5.00 for each semester-hour in excess of seventeen hours of credit and audit work combined. For part-time students the fee is \$15.00 a semester hour.

**Grading System.** Grades are given in letter symbols; no definite numerical value is indicated. The symbol A indicates excellent achievement; B, above average; C, average; D, acceptable but poor; F, failing; W, withdrew; I, incomplete.

**Grade Reports.** Grade reports for all students are made to the Registrar twice each semester. The mid-semester reports are tentative indications of the student's progress; those following the semester examinations form his permanent record. Reports are issued to parents and students after each grading period.

**Quality Points.** A grade of A represents greater accomplishment in a four-credit course than does the same grade in a two or three-credit course. In order that a student's degree of success on the basis of both factors (amount of work represented by his courses, and the grades received) may be judged, use is made of the quality point. Quality points are assigned to grades according to the scale given below. The quality points assigned to a grade multiplied by the credits allowed in a subject will give the total points accruing to the student for his achievement in that subject.

Grades	Meanings	Quality Points
A	Excellent	4
B	Above Average	3
C	Average	2
D	Acceptable but Poor	1
F	Failing	0

**Incomplete Grade.** A course in which the grade of I is received will not be considered in computing the index until the incomplete grade is removed. If the I is not removed within five weeks after the semester (except in Honors Seminars), a grade of F will be assigned.

**Scholastic Index.** The index expresses in one convenient symbol the ratio of a student's total quality points to his total credits. This ratio is found by dividing the sum of the student's quality points by the sum of hours attempted. Thus, if his points equal his credits, his index will be 1.00, indicating that he is maintaining himself at the general level of D.

**Honors Students and Dean's List.** Students with a cumulative index of 3.00 or higher are classed as Honors Students. In order to deepen and to further the education of these students and to encourage them to independent study and research, the College offers certain academic privileges to them.

Students with a cumulative index of 3.00 or above, (a) are eligible to complete residence requirements in seven semesters or equivalent; (b) are eligible to graduate with honors by taking Honors Course 51 in their major field. The honors course may be started by making application in the Office of the Academic Dean in the student's second-last semester; the student registers for the course in his last semester.

**Dean's List.** Students with a semester or a mid-semester index of 3.50 or higher are placed on the Dean's List. They are excused from the requirements of the cut system for the following grading period unless, in a particular instance, the instructor rules otherwise. Students on the Dean's List are, however, expected to be present for all announced tests and will be held responsible for the subject matter of the courses they are taking. If at any time during the grading period it becomes evident that excessive absence from class is endangering the student's progress, the Dean or the Instructor shall have the right to revoke the privilege.

**Probation and Dismissal.** The mid-semester grades serve as an indication of the student's adaptability to his chosen program of studies. Both the parents and the student are informed when his work is below the required level at the mid-semester grading period.

At the semester grading period, freshmen with index below 1.50, and sophomores, juniors and seniors with index below 2.00, are placed on probation. If this status is not removed at the next semester grading period, the student will be dropped for poor scholarship unless **on appeal for special reasons** he is granted an extension by the Committee on Curriculum and Educational Policy. If he submits an appeal he must do so by writing personally to the Academic Dean within two days after he receives notification of his status.

Students who, at the semester grading period, fail in as much as one-half of their work will be dropped for poor scholarship.

Students dropped for poor scholarship may, after the lapse of a semester, apply for readmission. If their application is approved, they will be readmitted on probation and must maintain the scholastic index required by their classification. If dropped for poor scholarship a second time, they are not eligible for readmission.

**Classification.** Students are enrolled **are regular** when they

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meet all entrance requirements and have been approved for a course of studies leading to the bachelor's degree; as **special** if the course work is not to be counted toward the fulfillment of degree requirements. Students may be registered as either full-time or part-time students. A full-time student is one who is carrying a minimum of twelve semester hours of college credit, or who is registered for class work totaling at least fifteen periods per week.

A student is classified as a **freshman** if he meets the entrance requirements; as a **sophomore** when his record shows 28 semester hours of college credit; as a **junior** when he has earned 58 semester hours; and as a **senior** when he has completed 92 semester hours of credit.

**Athletic Eligibility.** A student is eligible to participate in inter-collegiate athletic contests under the following conditions:

1. Be of approved physical condition as certified by the College physician.
2. Meet the requirements for classification as a regular full-time student at Saint Joseph's College.
3. Have successfully completed a minimum of twelve semester hours of college credit in his last previous semester unless he is a beginning freshman.
4. Be in good academic standing as determined by the scholastic index requirement according to his classification.
5. Be eligible to play in a designated game according to the rules, policies, and approved practices of the **Indiana Collegiate Conference** with respect to amateur standing, length of previous participation, institutional transfer and similar matters.

It is the responsibility of the players as well as of the coaching staff to know and comply with the letter and the spirit of the athletic policies adopted and approved by the faculty.

**Awards and Prizes.** The recognition of merit in the individual is natural and proper as an incentive to personal and social progress. The awards and prizes listed below represent the College's attestation of the recipients' excellence in written and oral expression as demonstrated in the annual competitive exercises in a variety of fields. In all cases the College reserves the right to withhold an award if, in the opinion of the judges, none of the entries in a contest attains a standard of excellence sufficient to merit the distinction implied by the conferring of the award.

**National Honors Society.** On October 15, 1956, the Gamma Delta Chapter of Delta Epsilon Sigma, National Catholic Honors Society, was installed at the College. Junior students who are in the

upper ten percent of their class and have a minimum of a B average are eligible for this distinction.

**The Alumni Essay Award.** The sum of twenty-five dollars is awarded annually to the student submitting the best English essay to a committee of three appointed by the Saint Joseph's Alumni Association, the donor of this award. The second prize is fifteen dollars.

This contest is open to all students. Contestants must submit three typewritten copies of their work, under an assumed name or some special mark of identification, to the professor in charge of the contest not later than May 1 of the current year.

**The Mary J. Pursley Memorial Award for Creative Writing.** This gift was made by the Most Rev. Leo A. Pursley, D.D., '21, Auxiliary Bishop of Fort Wayne. This is an annual award of fifty dollars for the best work in creative writing submitted to three judges. The purpose of the contest is to encourage the writing of good Catholic literature in the form of fiction, drama, or poetry.

**The Hanley Science Award.** A prize of one hundred dollars is awarded to the student who, in the estimation of the instructors in the Division of Natural Sciences, composes the best essay in the field of science or mathematics. The prize for second place is fifty dollars. The contest is limited to members of the junior and senior classes taking a major or minor sequence in the Division of Natural Sciences. Essays must be submitted not later than May 1 of the current year. The first prize is donated by Mr. William A. Hanley, '08, Indianapolis, Indiana. The second prize is donated by Dr. Frank A. Benchik, '42, of East Chicago, Indiana.

**The Monsignor T. M. Conroy Memorial Oratory Medal.** The Reverend James J. Conroy, '32, continuing the foundation established by his uncle, the Rt. Rev. Msgr. Thomas Conroy, '96, is the donor of the oratory medal awarded annually. The contest is open to students who have given evidence of superior effort and ability in the freshman or sophomore speech courses. First prize, gold medal and fifteen dollars; second prize, ten dollars; third prize, five dollars.

**Trustees Business Award.** A plaque and the sum of one hundred dollars, donated by the Board of Lay Trustees of St. Joseph's College, is annually awarded to the student graduating from the Division of Business or Accounting, who, in the estimation of a committee of instructors, is most deserving of the award in view of his superior scholarship and his leadership in extracurricular activities. In order that a student may be considered for the award he must have achieved a cumulative scholarship average of the grade of B, implying a scholastic index of 3.00 and meriting graduation with the distinction, *cum laude*.

## GRADUATION REQUIREMENTS

**Degrees.** Saint Joseph's College confers the Bachelor of Arts degree in Biology, Biology-Chemistry, Chemistry, Economics, English, English-Journalism, Geology, History, Mathematics, Mathematics-Physics, Philosophy, and Theology; the Bachelor of Science degree in Accounting, General Business, Marketing, Education, and Physical Education. However, the student who majors in Biology, Chemistry, Geology, or Mathematics, may, if he prefers, receive the Bachelor of Science degree. Students completing the curriculum for the preparation of elementary teachers receive the Bachelor of Science in Education degree. (B.S. in Ed.)

**Degree in Absentia.** Students who have attained senior standing after the completion of three years of residence and who have then transferred to a school of law, engineering, or medicine may secure the degree in absentia. In addition to the requirements regarding total hours, advanced courses, major and minor sequences, comprehensive and graduate record examinations, the candidate will be required to show successful completion of the first year's work in the professional school in which he has enrolled.

**Graduation With Honors**, is conferred on the basis of successful completion of an honors seminar in the department of the student's major together with a cumulative index (through the four years of college) of 3.00 for the honor **Cum Laude**, of 3.50 for **Magna Cum Laude**, and of 3.75 for **Summa Cum Laude**.

**Graduation with Honors for Degree in Absentia.** Students transferring to a professional school and planning to graduate in absentia, may graduate with honors from Saint Joseph's College by completing an honors paper in the semester preceding their transfer to a professional school. To be admitted, a student must ordinarily have a 3.00 cumulative index for his first two years. The grades which the student transfers from the professional school at the time when he qualifies for graduation from Saint Joseph's College, must, on an equivalent basis, qualify him for honors.

**Honors Seminar.** As a means to promote scholarship and initiative on the part of superior students, those departments which offer a major also conduct an honors seminar. This is a course in independent study, directed reading, and research in the student's field of concentration, the results of which are to be formulated in a research paper. To be admitted the student must have in his junior year maintained a B average in his major sequence. Topics for research must be approved by the student's major professor.

**Residence.** Completion of the college course requires normally that the student be in residence for eight semesters or the equivalent.\* Three six-week summer sessions are considered the equivalent of one semester. Academic credit earned in residence at another college or university will be accepted for transfer provided the quality of such work is the equivalent of at least a C grade at Saint Joseph's College. Work completed at off-campus extension centers is accepted up to sixty semester hours. Not more than twelve within this maximum of sixty hours may be taken by correspondence. The last thirty semester hours and sixty quality points must ordinarily be completed on the campus of Saint Joseph's College. For exceptions, see "Degree in Absentia."

**Examinations.** In addition to the regular course examinations, the student is required to take the following examinations:

1. The Sophomore General Culture Test, an objective-type examination covering the areas of general education, is administered at the end of the sophomore year. Students are required to have taken this test as a graduation requirement.
2. Comprehensive Examinations. The candidate for the degree must pass a comprehensive examination covering his major field. Preparation for this examination implies that from the very beginning the student will have organized the results of his study and reading with a view to permanent retention. The subject matter for the comprehensive examination in a departmental major covers the entire area of undergraduate preparation in that particular field of knowledge and is, therefore, not restricted to the specific subjects which the candidate has completed in the course. The student will be tested on his knowledge of basic facts and principles, his insight into relationships and his ability to apply what he has learned to the solution of typical problems. The norm for passing the examination may be stated as that degree of competence which would be obtained from a careful reading and independent study of standard texts proper to all courses, lower-level as well as upper, offered by the Department. The Divisional Chairman in consultation with the Dean of the College will determine the scope of the examination for the student who has selected a divisional or group major. Comprehensive examinations are written tests of approximately six hours in length and are administered towards the end of the semester.

3. Graduate Record Examinations. All seniors are required to take the Graduate Record Examination (Area tests and Advanced

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\*See exception for Honors Students, p. 45.

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Tests) in their final year on the dates set down in the College Calendar.

### Semester Hours and Quality Points.

1. A minimum of 124 semester hours and 248 points are required for graduation (a cumulative index of 2.00 is required for graduation beginning with the graduating class of June 1961, and thereafter).

2. The number of quality points earned in courses of the major sequence must equal at least twice the minimum credit hours required for the respective major (a cumulative index of 2.00 is required in the courses of the major sequence beginning with the graduating class of June 1961, and thereafter).

3. At least 60 hours must be completed on the lower level, including the prescribed work in general education; at least 50 hours, including the requirements of advanced and special education, must be completed on the upper level.

4. Not more than 42 hours in a single department will be counted toward the minimum total required for graduation.

**Course Requirements.** The faculty of Saint Joseph's College has given considerable thought and effort to the building of a curriculum which will provide a sound program of general education for all students. It is generally agreed that colleges exist for the purpose of transmitting the cultural inheritance; that every educated person should have an acquaintance with the facts and the methods of inquiry in the chief fields of knowledge; and that learning must have breadth as well as depth. While, therefore, the courses in general education are wide in scope, they must not be regarded as shallow or superficial, for they have been designed to be both the foundation and the complement of the more specialized courses in designated fields of concentration.

All courses are grouped under the six Divisions: Religion and Philosophy, the Humanities, the Natural Sciences, the Social Sciences, Business and Economics, and Education. Furthermore, Freshman courses (1-19) and Sophomore (20-29) are designated lower-level, while Junior (30-39) and Senior (40-51) are distinguished as upper-level courses on the basis of content and instructional procedures. Ordinarily, odd-numbered courses are offered during the first semester and even-numbered courses during the second semester.

### Lower Level Requirements: General Education

#### Course Numbers: 1-29

The number of semester hours a student must earn on the lower level is a minimum of sixty. Of these, the following specified courses

## ADVANCED AND SPECIAL EDUCATION 51

constitute, with the exceptions noted below, that part of the program of general education required of all. They are to be completed, ordinarily, by the end of the sophomore year.

	Semester Hours	
English 3-4, or 7-8 -----	6	Rhetoric and Composition or Freshman Literature
Humanities 23-24, 25, 27 -----	8	World Literature; Music Art Forms; Art: History and Appreciation
Philosophy 12 and 21 -----	6	Logic; General Psychology
Religion 1, 25 and 26 -----	9	Christian Morality; Catholic Dogma; Sacraments
Science -----	10	Biology 5 (3 hours); Mathematics 5 (3 hours); and 4 hours from: Chemistry 5 (2 hours); Geology 5 (2 hours); Physics 5 (2 hours); Physics 7 (2 hours).
Social Science 1-2 -----	6	Development of Western Institutions
Social Science Elective -----	3	Elective in Economics, History, Politics, Sociology (Upper or lower level)
Speech 15 -----	2	Fundamentals of Speech
	—	
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### Exceptions:

1. Certain adjustments and substitute courses are provided for the student who at registration definitely plans to follow a program in the natural sciences, or teacher training. See details under these heads.
2. The extent to which the lower-level credits presented by the transfer students are acceptable in fulfillment of the requirements in general education is determined by the Dean of the College.
3. Students who are not of the Catholic faith will take Religion 36, Principles of Morality, as a requirement for graduation. They are at liberty to substitute other courses for the 9 additional hours in religion regularly included in the college program.

**Foreign Lanuage.** While offered as a recognized element in liberal education, foreign language study is not required of all. However, German specifically is required of Chemistry majors; a foreign language (preferably German), of Biology and pre-medical students; a foreign language is required of English majors; and German or French is strongly recommended for the student planning to enter graduate school.

**Upper Level Requirements: Advanced and Special Education**

**Course Numbers: 30-51**

Every approved sequence of courses leading to a bachelor's degree is based on the assumption that as the student advances, he must accept an increasing share of the responsibility for his own education. Within the framework of a few basic principles of organization and minimum essential requirements, he is encouraged to select advanced courses which best fit his needs, interests, and vocational aspirations. The suggested programs which are listed in the catalogue for each department in which a major sequence is offered may serve as preliminary guides for the tentative selection of courses. In all cases it is advisable that the student select his field of concentration by the end of his sophomore year and consult his faculty counselor regarding the pattern of courses for the major and minor sequences and the appropriate electives.

**The number of semester hours on the upper level required for graduation is a minimum of fifty.** The program of advanced or special education will include the following:

**Major Sequence.** Ordinarily this will embrace a minimum of twenty-four semester hours of upper-level credit in a department, or, for a group major, thirty-six credit hours in a division of instruction. Students should see special regulations under each department.

**Minor Sequence.** Ordinarily this will be a minimum of twelve semester hours of upper-level credit in a department chosen for its relation to the major sequence though not necessarily in the same Division.

**Religion and Philosophy.** Three upper-level hours in religion and six upper-level hours in philosophy are required. Philosophy 31, Metaphysics, is required of all students.

**Electives.** Additional courses to complete the fifty upper-level hours and a total minimum of 124 semester hours and 248 quality points required for graduation.

## DIVISIONS, DEPARTMENTS, COURSES OF INSTRUCTION

54	Majors, Minors and Degrees Offered
55- 58	DIVISIONS OF INSTRUCTION
59-137	DEPARTMENTS AND COURSES
59- 62	Accounting
62	Agriculture
62- 66	Biology
66- 71	Business Administration
71- 75	Chemistry
76- 78	Economics
78- 84	Education
85- 94	Engineering: Aeronautical; Agriculture; Chemical; Civil; Electrical; Industrial; Mechanical; Metallurgical
94- 97	English
97	French
98-101	Geology
101-102	German
102	Greek
102-105	History
105	Humanities
105-107	Journalism
107-108	Latin
108-112	Mathematics
112-114	Music
114	Natural Science
114-117	Philosophy
117-121	Physical Education
122-124	Physics
124-126	Politics
127-139	Religion
130	Social Science
131-134	Sociology
135	Spanish
135-137	Speech

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### MAJORS, MINORS AND DEGREES OFFERED

Department	Major (24 hrs.)	Minor (12 hrs.)	Degree
Accounting	x	x	B.S.
Agriculture*			B.A.
Biology	x	x	B.A. or B.S.
Biology-Chemistry	x	x	B.A. or B.S.
Business Administration			
General Business	x	x	B.S.
Marketing	x	x	B.S.
Chemistry	x	x	B.A. or B.S.
Biology-Chemistry	x		B.A. or B.S.
Economics	x	x	B.A.
Education	x	x	
Elementary	x		B.S. in Ed.
Secondary	x		B.S.
Engineering			
Five year program*			B.A. and B.S.
English	x	x	B.A.
English-Journalism	x		B.A.
French		x	
German		x	
Geology	x	x	B.A. or B.S.
Greek			
History	x	x	B.A.
Journalism-English	x		B.A.
Journalism		x	
Latin			
Mathematics	x	9 hrs.	B.A. or B.S.
Mathematics-Physics	x		B.A. or B.S.
Music		x	
Philosophy	x	x	B.A.
Physical Education	x	x	B.S.
Physics		x	
Politics	x	x	B.A.
Religion		x	
Sociology	x	x	B.A.
Spanish		x	
Speech		x	
Theology	x		B.A.

\* Five year Engineering programs are available in Aeronautical, Agricultural, Chemical, Civil, Electrical, Fire Protection and Safety, Food, Industrial, Mechanical and Metallurgical Engineering. After three years at Saint Joseph's, and two or three semesters at Notre Dame University, Purdue University or Rose Polytechnic Institute or any accredited engineering college, the student may qualify for a B.A. degree from Saint Joseph's. After his fifth year, he qualifies for a Bachelor's degree in Engineering from one of these Universities.

## DIVISIONS OF INSTRUCTION

Saint Joseph's College is organized into six **Divisions of Instruction**, each of which is further divided into departments or courses of instruction.

**I. The Division of Religion and Philosophy** includes the Department of Religion and the Department of Philosophy.

The Department of Religion offers a minor in Religion and a B.A. degree in Theology in the Summer Session; the Department of Philosophy offers a major and a minor in philosophy.

The courses in religion and philosophy are designed to present a rational explanation of the universe, man, and God. They stress the philosophical principles fundamental to a deeper understanding of revealed truths and show the relation of religion and philosophy to other fields of knowledge. Their purpose is to expand the student's knowledge and enrich his appreciation of Catholic teaching, and thereby offer him incentives to shape his individual, his family and his social life in accordance with that teaching.

**II. The Division of Humanities** includes the Departments of English, Classical Languages, Foreign Languages, Speech, Music and Journalism.

The primary purpose of the teaching in this Division is to develop some degree of appreciative understanding and power of expression in language, literature, music, and art, which are generally valued for their refining influence. This involves also some attention to the relation between principles of art and the Catholic tradition. Another objective is to enlarge the student's acquaintance and enrich his sympathy with the culture of peoples as reflected in their language and art. It is in the nature of the humanities that they contribute to the aims of general education; the upper-level courses make possible concentration in certain departments.

Majors are offered in English and in English-journalism; minors, in English, journalism, modern languages, music, and speech.

The Division also offers the following courses in the Humanities: World Literature; Art History and Appreciation; Music Art Forms (see below under Humanities).

**III. The Division of Natural Sciences** includes the Departments of Biology, Chemistry, Engineering, Geology, Mathematics and Physics.

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The Division of Natural Sciences comprises four fields: the biological sciences, engineering, mathematics and the physical sciences. The general aim of the Division is to foster an appreciation of the material world as a masterpiece of God's creation and thereby to make an integral contribution to the program of general education.

Both the divisional and departmental courses are designed to enable the student to obtain: 1. Factual information about the material world. 2. An understanding of the difficulties involved in gaining this information and a knowledge of some of the methods used for overcoming such difficulties. 3. An ability to comprehend and to evaluate critically statements concerning the subject matter of the sciences. 4. Knowledge of some accepted solutions to the problems posed by time and quantity, the physical world and living organisms, and the application of these solutions to the problems of modern living.

The departmental courses have these further purposes: 1. To develop skill in the generally accepted methods of scientific investigation. 2. To prepare the student for work in graduate or professional schools. 3. To meet the needs of those students who are preparing for entrance into certain vocational fields upon graduation.

The Division of Natural Sciences offers a major sequence leading to the A.B. or B.S. degree in each of the following Departments: Biology, Chemistry, Geology, and Mathematics. Engineering students may receive the A.B. degree by completing one of the engineering programs described on pages 88-98.

Students majoring in the natural sciences will substitute the prerequisite departmental courses on the lower level for the nine semester hours of divisional courses in natural sciences otherwise demanded in fulfillment of the requirement in general education.

A group major in biology-chemistry is offered by the Division for pre-medical students. The minimum requirement is thirty-six hours in upper-level courses in biology and chemistry so distributed as to include a minimum of sixteen in each department. This group major must include the following upper-level courses: Biology 39, and Chemistry 31-32, 33, and 36. Four semesters of credit, or the equivalent, in a modern foreign language are required; German or French are recommended. No minor sequence is required.

The Division offers also a group major in mathematics-physics. The minimum requirement is thirty-six semester hours in upper-level courses chosen by the student in consultation with the Chairman of the Division. Mathematics 31, 34, 41, and Physics 31, 41-42, and 44 must always be included. No minor sequence is required.

**IV. The Division of Social Sciences** includes the Departments of Economics, History, Politics and Sociology.

The Division of Social Sciences seeks to enlarge the student's social understanding and to deepen his sense of responsibility with the view that he may lead a more useful life as a member of society. He is to become acquainted with the social heritage which the study of the past provides for the interpretation of the present and as a guide to the future. He is to become acquainted with the social teaching of the Church and its application to current social issues.

The Division offers a major sequence in each of the following Departments: Economics, History, Politics and Sociology. The major is twenty-four hours in upper-level courses as prescribed under the respective Department.

The Division also offers the following Social Science courses: The Development of Western Institutions; World Geography; Catholic Social Principles (see below under Social Science).

**V. The Division of Business and Economics** includes the Departments of Accounting, Business Administration and Economics.

The Division of Business and Economics seeks to provide an opportunity for the student to develop the knowledge, technical skills, moral attitudes, and understandings which will serve as a foundation for the study of the economic and business aspects of reality and which will to some extent prepare him for a career in business or for graduate or professional study.

The Division offers the following majors: Accounting, Economics, General Business, and Marketing. The major is twenty-four hours in upper level courses as prescribed under the respective Department.

All Catholic students within the Division of Business and Economics must show credit in Social Science 40, Catholic Social Principles; this course may be counted as part of a minor in the Division of Business and Economics.

**VI. The Division of Education** includes the Departments of Education and of Physical Education.

The first aim of the Division of Education and of its courses is to offer students knowledge of education and of physical education as branches of learning. The courses are directed towards having the student know what education is, and how its history and philosophy have been important factors in the life of mankind. The second

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aim of the Division is to impart knowledge of the factors involved in the educational process and of imparting skills for prospective elementary and secondary school teachers and coaches.

Majors are offered in Elementary, Secondary and Physical Education; minors are offered in Education and Physical Education.

## DEPARTMENTS AND COURSES

## DEPARTMENT OF ACCOUNTING

The Department of Accounting provides the fundamental courses which are to prepare the student for entrance into the profession of accountancy, including public and private accounting practice or government service. Upon completion of this program of study, the student becomes eligible for the bachelor's degree in accounting, and he may secure through experience and state examination the status of certified public accountant.

In the field of public accounting there are opportunities in municipal and private auditing, system design and installation, cost and tax work. Federal and state governments provide opportunities for accountants in a wide variety of activities, including income tax and other taxation, farm administration, banking, interstate commerce, and the like. In private accounting practice, thoroughly trained accountants have opportunities for advancement into executive, financial, and auditing or cost positions.

Accounting 21-22 and Economics 21-22 are prerequisite for all upper-level courses.

The requirement for a major sequence in accounting is twenty-four hours in upper-level courses, including Accounting 31, 32, 33-34, 41 and 45; Social Science 40 is also required of Catholic students. The requirement for a minor sequence is twelve hours in upper-level courses.

All students registered for courses in accounting are required to take the series of standardized tests administered by the Department.

## COURSES IN ACCOUNTING

## 13-14. Introductory Accounting 6 hours

A basic course in accounting designed for those students who are neither majoring nor minoring in accounting, but who realize the need of accounting information for their future careers. The functions of the Income Statement and the Balance Sheet are adequately investigated.

## 21-22 Principles of Accounting 6 hours

A fundamental course designed for majors and minors in accounting. The course is presented so that the student is properly prepared in the theory and techniques of accounting that are neces-

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sary for the advanced courses. Emphasis is placed on the solution of accounting problems.

### 31. Intermediate Accounting 3 hours

An investigation into the form and content of financial statements with particular emphasis on accounting for assets, both tangible and intangible. Special attention is given to corporate capital accounts.

### 32. Advanced Accounting 3 hours

Advanced partnership problems and techniques for analyzing and interpreting financial statements are considered in this course. Attention is also given to special transactions resulting from consignments and installment sales. The effects of changes in the value of the dollar on accounting problems completes the course.

### 33-34. Income Tax Accounting 6 hours

This course is designed to familiarize the student with the federal income tax laws by means of lectures and practical problems. It is devoted to an intensive study of the income tax laws as they apply to individuals, partnerships, and corporations.

### 38. Pro-Seminar in Accounting Theory 3 hours

An introduction, by means of directed reading and individual projects, to the methods of accounting research and the theory of accounts.

### 41. Specialized Statements 3 hours

Special emphasis is placed on the preparation of consolidated statements of position and income. Consideration is also given to such supplementary statements as the funds statement, cash-flow statement, and statements required of fiduciaries.

### 45. Cost Accounting 3 hours

This course presents an analysis of the importance of cost accounting in the modern business world. Cost terminology and technique are developed through the medium of problems dealing with job cost systems, process cost systems, and standard cost and uniform cost procedures.

### 46. Controllership 3 hours

This course is designed to acquaint the student with the types of problems facing the chief accounting officer of the corporation with the aim of developing facility in the manipulation of accounting data. Rationalization of procedures and preparation of reports is illustrated by reference to specific business cases.

**Suggested Program of Courses for the B.S. Degree with  
Accounting as Major Sequence**

**FRESHMAN YEAR**

		Semester	Hours	
Biology 5 -----	3			Principles of Biology
Business 5 -----	3			Introduction to Business
English 3-4 -----	3	3		Rhetoric and Composition
Humanities 23-24 -----	2	2		World Literature
Mathematics 5 -----	3			General Mathematics
Philosophy 12 -----	3			Logic
Religion 1 -----	3			Christian Morality
Social Science 1-2 -----	3	3		Development of Western Institutions
Speech 15 -----	2			Fundamentals of Speech
	—			
	16	17		

**SOPHOMORE YEAR**

Accounting 21-22 -----	3	3	Principles of Accounting	
Business 23-24 -----	3	3	Business Law	
Economics 21-22 -----	3	3	Principles of Economics	
Humanities 25, 27 -----	2	2	Music Art Forms; Art: History & Appre- ciation	
Philosophy 21 -----	3		Philosophy of Man	
Religion 25, 26 -----	3	3	Dogma; Sacraments	
Science requirements -----	2		Chemistry 5; or Geology 5; or Physics 5; or Physics 7	
	—			
	16	17		

**JUNIOR YEAR**

Accounting 31, 32 -----	3	3	Intermediate; Advanced Accounting	
Accounting 33-34 -----	3	3	Income Tax Accounting	
Accounting 38 -----	3		Pro-Seminar	
Business 31 or 39 -----	3		Industrial Management or Marketing	
Business 32 or 36 -----	3		Personnel Management; Corporation Finance	
Minor Sequence -----	3	3		
Philosophy 31 -----	3		Metaphysics	
Science Requirement -----	2		Chemistry 5, or Geology 5, or Physics 5, or Physics 7	
Social Science 40 -----	3		Catholic Social Principles	
	—			
	18	17		

**SENIOR YEAR**

Accounting 41 -----	3	3	Specialized Statements	
Accounting 45, 46 -----	3	3	Cost; Controllership	
Accounting 47, 48 -----	3	3	Auditing; C.P.A. Problems	
Accounting 51 -----	3		Honors Seminar	
Minor Sequence -----	3	3		
Philosophy, upper level -----	3			
Religion, upper level -----	3			
	—			
	18	15		

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### 47. Auditing 3 hours

A course designed for those intending to enter the profession of public or private accounting. The responsibilities of auditors and the regulations applying to the profession are studied, with special reference to the rules of professional conduct for members of the American Institute of Certified Public Accountants. Various types of audits and their purposes are analyzed. Certificates are studied and prepared.

### 48. C.P.A. Problems 3 hours

### 51. Honors Seminar in Accounting 3 hours

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## AGRICULTURE (See below under Engineering)

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### DEPARTMENT OF BIOLOGY

The departmental courses in biology are intended to help the student acquire: 1. A knowledge of the basic principles of the biological sciences and some skill in the application of the scientific method to biological problems. 2. The necessary background for work in graduate or professional schools of medicine, dentistry, or biological science. 3. The biological background for certain professional careers such as teaching biology in secondary schools or working with biological surveys and in museum laboratories.

Biology majors are encouraged to attend summer courses in invertebrate zoology, embryology, and physiology at the Marine Biological Laboratory at Woods Hole, Massachusetts. Upon application to the Department, credit may be allowed up to six hours for the successful completion of one of the above courses.

The minimum requirement in upper-level courses for a major sequence in biology is twenty-four semester hours; for a minor sequence, twelve semester hours.

Majors in biology must show credit in Chemistry 31-32 and Physics 21-22 and four semesters of credit, or the equivalent, in a modern foreign language. German and French are recommended.

Majors in Biology who plan to teach in high school must show credit in Biology 12, 41, Chemistry 31-32 and Physics 21-22; they may substitute education courses for the foreign language requirement.

Laboratory fees: Biology 11, 12, 13 and 22, each \$7.50. Biology 31, 32, 34, 39, 40, 41, 43, 44, 45, 47, and 51, each \$10.00.

COURSES IN BIOLOGY

**5. Principles of Biology 3 hours**

This course, designed for the student who does not intend to major in the natural sciences, affords him an opportunity to obtain some understanding and appreciation of the basic principles of biological science and an acquaintance with some of the more commonly known plant and animal forms. These are studied in their relation to man as a living entity sharing certain functions with them, dependent upon them for nutrition, clothing, medicine, and industrial processes, or guarding himself against them for purposes of health.

**11. Introductory Zoology 4 hours**

The fundamental principles of animal biology and a study of appropriate type forms illustrating the various phyla, with stress on laboratory exercises. Two lectures and two two-hour laboratory periods each week.

**12. Introductory Botany 4 hours**

The fundamentals of plant biology including the identification of some of the more common plants and trees, a study of the structure and physiology of plants, and an introduction to the Mendelian laws of heredity. Two lectures and two two-hour laboratory periods each week.

**13. Introductory Biology 4 hours**

A brief course in general biology intended primarily for physical education students. The course includes a study of some typical plant and animal forms together with an introduction to the study of human biology. Not open to students showing credit in Biology 1. Three lectures and one two-hour laboratory period each week.

**22. Human Anatomy and Physiology 4 hours**

An introductory course intended primarily for physical education majors. The course is recommended for students preparing to teach biology or health in high school. Three lectures and one two-hour laboratory period each week.

Prerequisite: Biology 3 or 1.

**25. Personal and Community Health 3 hours**

Personal health and the prevention of disease in the family and community; relation of sanitation and disease control to com-

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### Suggested Program of Courses for the A.B. or B.S. Degree with Biology as Major and Chemistry as Minor Sequence\*

#### FRESHMAN YEAR

##### Semester

##### Hours

Biology 11, 12 -----	4	4	Zoology; Botany
Chemistry 11, 12 -----	4	4	Gen. Inorganic; Qualitative
English 3, 4 -----	3	3	Rhetoric & Composition
Mathematics 23 -----	6		College Mathematics
Philosophy 12 -----		3	Logic
Religion 1 -----		3	Christian Morality
	—	—	
	17	17	

#### SOPHOMORE YEAR

Biology 31-32 -----	3	3	Comparative Vertebrate Anatomy
Chemistry 31-32 -----	4	4	Organic Chemistry
Humanities 23-24 -----	2	2	Required electives
Religion 25, 26 -----	3	3	Dogma; Sacraments
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 15 -----		2	Fundamentals of Speech
Humanities 27 -----		2	Art: History and Appreciation
	—	—	
	17	17	

#### JUNIOR YEAR

Biology 39, 40 -----	4	4	Embryology, Histology
Biology 38 -----		3	Genetics
Chemistry 33 -----	4		Quantitative Analysis
***German 1-2 -----	3	3	Introductory German (or French)
Philosophy 21, 31 -----	3	3	Philosophy of Man; Metaphysics
Physics 21, 22 -----	4	4	College Physics
	—	—	
	18	17	

#### SENIOR YEAR

Biology 35-36 -----	1	1	Seminar in Biology
Biology 51 -----		3	Honors Seminar
Biology upper level -----	4-6	6-8	Biology Electives Major or Minor**
***German 21, 26 -----	3	3	Intermediate, Scientific German
Humanities 25 -----	2		Music Art Forms
Philosophy, upper level -----	3		Required Elective
Religion, upper level -----		3	Required Elective
Social Science -----	3		Required Elective
	—	—	
	16-18	16-18	

\* Students in the biology-chemistry group major must include chemistry 36 in their program.

\*\* Biology Electives available: 34, 41, 42, 43, 44, 45, 47.

\*\*\* Students preparing to teach Biology in high school may substitute education courses for foreign language; then must also take Biology 12 and 41.

munity health; communicable diseases. Three lecture periods each week.

**31-32. Comparative Vertebrate Anatomy 6 hours**

The study of type forms of different classes of vertebrates, from the viewpoint of the morphological relationships of the various organs and systems. One lecture and two two-hour laboratory periods each week.

Prerequisite: Biology 11.

**34. Microtechnique 2 hours**

Principles and practice in the preparation of animal and plant tissues and small organisms for microscopic study. Two two-hour laboratory periods each week.

Prerequisites: Biology 11 or 12, and Chemistry 12.

**35-36. Seminar in Biology 2 hours**

Intensive discussion of selected topics in biology led by members of the staff. Required for graduation of all seniors majoring in biology or biology-chemistry group sequence. Open for attendance without credit to all other interested students with permission of the staff. Juniors majoring in Biology are expected to attend all sessions.

**38. Genetics 3 hours**

A study of the general principles of heredity and the operation of hereditary factors in the origin and development of species and of individual traits. Special emphasis is placed on human heredity and the analysis of family pedigrees.

Prerequisite: Biology 11 or 12.

**39. Embryology 4 hours**

Laboratory study of the developmental anatomy of frog, chick, and pig embryos. Lecture emphasis is placed on an analysis of the processes of development and a study of elementary experimental embryology. Two lectures and two two-hour laboratory periods each week.

Prerequisite: Biology 32.

**40. Animal Histology 4 hours**

A microscopic study of normal vertebrate tissues and organs, with special reference to human tissues. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Biology 32 and Chemistry 12.

**41. Invertebrate Zoology 4 hours**

A study of the characteristics and relationships of representative species of invertebrates with reference to classification. This

## 66 SAINT JOSEPH'S COLLEGE

course includes some field work in ecological study, collection of specimens, their identification and preparation for laboratory and museum display. Primarily intended as a background for teaching biology. Three lectures and one three-hour laboratory period each week.

Prerequisites: Biology 11

### 42. History of Biology 2 hours

A survey of the development of the science of biology. Particular attention is given to the interplay of philosophy and science and to the development of the conceptual framework of biology. Required readings and papers. Discussions and conferences with staff and with related departments.

### 43-44. Microbiology 8 hours

A study of bacterial structure, life activities, classification; the principles of immunology, mycology, parasitology, and virology. Laboratory methods of culture, isolation, and identification of various organisms, particularly enteric forms; water, milk, soil, and food bacteriology. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Biology 12 and Chemistry 12.

### 45. Vertebrate Physiology 4 hours

A study of vertebrate physiology with special reference to human functions. Designed primarily for pre-medical students and others whose field of concentration is biology. Selected laboratory experiments. Two lectures and two two-hour laboratory periods each week.

Prerequisites: Biology 11 and Chemistry 12.

### 47. General Physiology 4 hours

The physiological processes at the organismic level are analyzed and correlated with the simpler manifestations at the cell level. Among the topics discussed are the structure and composition of cells, reactions of organisms to the environment, adjustment and maintenance of the internal environment, energy sources and utilization of energy for movement, production of electricity. Two lectures and two two-hour laboratory periods each week.

### 51. Honors Seminar in Biology 3 hours

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## DEPARTMENT OF BUSINESS ADMINISTRATION

The courses in business administration have been designed to provide training for positions in business. Their aim is to combine specific preparation with a background in general education, which, with experience, should enable one to assume positions of higher

## BUSINESS ADMINISTRATION 67

responsibility more rapidly and competently. During the freshman and sophomore years, the course of studies is general in character, conforming closely to the pattern suggested for economics. During the junior and senior years, areas of concentration are provided in general business and marketing.

The requirements for a major sequence in **General Business** are Accounting 13-14 or 21-22 (Seniors of 1960) and twenty-four hours in upper-level courses, including Business 37, and 39. Catholic students are also required to take Social Science 40. Related courses highly recommended include Economics 35 and History 37 or 38. The requirement for a minor sequence is twelve hours in upper-level courses.

The requirements for a major sequence in **Marketing** are Accounting 13-14 or 21-22 (Seniors of 1961) and twenty-four hours in upper-level courses, including Business 34 and 39. Catholic students are also required to take Social Science 40. Related courses highly recommended include Business 38, 44 and 46, and History 38. The requirement for a minor sequence is twelve hours in upper-level courses.

**Economics 21-22 is prerequisite for all upper-level courses.**

### Suggested Program of Courses for the B.S. Degree with General Business or Marketing as Major Sequence

#### FRESHMAN YEAR

##### Semester

##### Hours

Biology 5 -----	3	Principles of Biology
Business 5 -----	3	Introduction to Business
Humanities 25, 27 -----	2 2	Music Art Forms; Art: History and Appreciation
English 3-4 -----	3 3	Rhetoric and Composition
Mathematics 5 -----	3	General Mathematics
Philosophy 12 -----	3	Logic
Religion 1 -----	3	Christian Morality
Social Science 1-2 -----	3 3	Development of Western Institutions
Speech 15 -----	2	Fundamentals of Speech
	— —	
	16 17	

#### SOPHOMORE YEAR

Accounting 13-14 -----	3 3	Introductory Accounting
Economics 21-22 -----	3 3	Principles of Economics
Humanities 23-24 -----	2 2	World Literature
Philosophy 21 -----	3	Philosophy of Man
Religion 25-26 -----	3 3	Dogma; Sacraments
Elective -----	3	
Science Requirement -----	2 2	Chemistry 5; or Geology 5; or Physics 5; or Physics 7
	— —	
	16 16	

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### Major Sequence in General Business

#### JUNIOR YEAR

Business 31, 32 or 41, 44 -----	3	3	Industrial Management, Personnel Management; Insurance, Retailing Budgeting, Financial Statements; Transportation, Business Statistics
Bus. 33, 40 or Bus. 45, 38 -----	2	3	Salesmanship; Business Cycles
Business 34 or 46 -----	3		Marketing
*Business 39 -----	3		Business Law
Business 23-24 -----	3	3	Metaphysics
Philosophy 31 -----	3		Catholic Social Principles
Social Science 40 -----	3		
Electives -----	3	2	
	—	—	
	17	17	

#### SENIOR YEAR

Business 31, 32 or 41, 44 -----	3	3	Industrial Management, Personnel Management; Insurance, Retailing Budgeting, Financial Statements; Transportation, Business Statistics
Bus. 33, 40 or Econ. 45, Bus. 38 -----	2	3	Salesmanship; Business Cycles
Business 34 or 46 -----	3		Government and Business
Business 37 -----	3		
Minor Sequence -----	3	3	
Philosophy, upper level -----	3		
Religion, upper level -----	3		
Electives -----	3	2	
	—	—	
	17	17	

### Major Sequence in Marketing

#### JUNIOR YEAR

Business 31 or 45 -----	3	Industrial Management or Transportation
Business 32 or 48 -----	3	Personnel Management; Advertising
Business 33, 40 -----	2	Budgeting; Financial Statements
Business 36 or 44 -----	3	Corporation Finance; Retailing
*Business 39 -----	3	Marketing
Business 23-24 -----	3	Business Law
Minor Sequence -----	3	
Philosophy 31 -----	3	Metaphysics
Social Science 40 -----	3	Catholic Social Principles
	—	—
	17	17

#### SENIOR YEAR

Business 31 or 45 -----	3	Industrial Management; Transportation
Business 32 or 48 -----	3	Personnel Management; Advertising
Business 37 -----	3	Government and Business
Business 34 or 44 -----	3	Salesmanship; Retailing
Business 43, 46 -----	3	Credits and Collections; Business Cycles
Minor Sequence -----	3	
Philosophy, upper level -----	3	
Religion, upper level -----	3	
	—	—

15 15

\*It is highly desirable that students enroll for Bus. Ad. 39, Marketing, in the first semester of their junior year as this course provides foundation for Bus. Ad. 34, 43, 44, and 48.

## BUSINESS ADMINISTRATION 69

### COURSES IN BUSINESS ADMINISTRATION

#### 5. Introduction to Business 3 hours

This course provides a general survey of the activities included in organizing and managing a business. Discussion centers on the types of business ownership and organization, location and layout, financial administration, personnel management, purchasing, production, marketing, and the relation of business to government.

#### 6. Mathematics of Finance 3 hours

The objective of this course is the development of skills needed in obtaining answers to practical problems arising in business with emphasis on finance and life insurance. The subject matter includes interests, depreciation, endowments, and premiums for life insurance.

#### 13-14. Introductory Accounting 6 hours

A basic course in accounting designed for those students who are neither majoring nor minoring in accounting, but who realize the need of accounting information for their future careers. The functions of the Income Statement and the Balance Sheet are adequately investigated.

#### 23-24. Business Law 6 hours

This course is designed to acquaint the student with those phases of law most frequently met in business. The selected areas of study include contracts, negotiable instruments, agency, sales, partnerships, corporations, property, and torts.

#### 28. Business Writing 3 hours

The student is led to analyze common business situations and problems which give rise to a need for clear and succinct communication. He considers also the bearing of practical psychology in the writing of letters and related business forms.

#### 31. Industrial Management 3 hours

A detailed study of the organization and management of a manufacturing enterprise. Discussion centers on the physical factors of location, building, equipment, layout of plant; product design, purchasing and inventory control; routing, scheduling, and dispatching of work; personnel relations; sales; and finance.

#### 32. Personnel Management 3 hours

This course deals with the objectives and procedures of per-

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sonnel management, including the selecting, training and placing of employees and their transfer and promotion; health and safety and other personnel services; wage and salary policies; industrial relations; records.

### 33. Budgeting 2 hours

A study of the procedure of budgeting and budgetary direction and control as applied to a business. The principles and methods of constructing budgets, estimating income and expenses, controlling expenses, measuring operating efficiency, and enforcing budgets are developed. (Same as Accounting 33.)

### 34. Salesmanship 3 hours

The place of selling in the marketing process; the functions and qualifications of the salesman; buying motives; psychological principles involved in selling; handling the interview and closing the sale; the building of good will.

### 36. Corporation Finance 3 hours

The financial problems involved in organizing and managing a business. Also a study of the financial procedures in receivership, bankruptcy, and reorganization.

### 37. Government and Business 3 hours

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition. (Same as Economics 37.)

### 38. Business Statistics 3 hours

An introduction to the elements of statistical analysis, including the collecting, classifying, interpreting, and presenting of numerical data, with emphasis on their use in business. (Same as Economics 38.)

### 39. Marketing 3 hours

The principles and practices underlying the marketing process for different classes of goods. The marketing functions performed by the manufacturer, wholesaler, retailer, and functional middlemen. Recent trends in the efforts to develop greater marketing efficiency.

### 40. Financial Statement Analysis 2 hours

An analysis and interpretation of financial statements; the background of analysis; analysis of small business enterprises; the internal analysis of balance sheets and profit and loss statements; analysis of surplus. (Offered in 1960-61.)

<b>41. Insurance and Risk</b>	<b>3 hours</b>
A study of the chief types of risk and related insurance, with special attention to life, accident, and fire insurance. (Offered in 1960-61.)	
<b>42. Executive Policy Formulation</b>	<b>3 hours</b>
Use of the Case Method to acquaint the student with major executive responsibilities and problems in various businesses and industries. The diagnosis of current problems and the formulation of sound administrative policies and practices requiring a consideration of sales, production, finance and personnel factors. Prerequisites: Industrial Management & Personnel Management.	
<b>43. Credits and Collections</b>	<b>3 hours</b>
Nature and functions of credit. Principles and practices in retail and mercantile credit administration. Sources and analysis of credit information. (Offered in 1960-61.)	
<b>44. Retailing</b>	<b>3 hours</b>
A course in retail merchandising, including location, building, equipment, and store layout; the buying of merchandise and inventory control; setting prices; merchandising policies; personnel; store records. (Offered in 1960-61.)	
<b>45. Transportation</b>	<b>3 hours</b>
A course dealing with the economics of transportation: the extent of the market for goods in relation to transportation facilities and costs; the forms or methods of transportation; rate classifications; the regulation of transportation by the government. (Offered in 1959-60.)	
<b>46. Business Cycles</b>	<b>3 hours</b>
In this course are discussed the different types of business fluctuations, the theories which have been advanced in explanation of them, and the measures which have been proposed for their control. (Same as Economics 46.)	
<b>48. Advertising</b>	<b>3 hours</b>
In this course are developed the functions of advertising in the sales effort, the media of advertising and the testing of their effectiveness, the economics of advertising, and the regulation of advertising in the interests of the consumer. (Offered in 1959-60.)	
<b>51. Honors Seminar in Business Administration</b>	<b>3 hours</b>

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#### DEPARTMENT OF CHEMISTRY

The courses in the Department of Chemistry are designed to help the student: 1. To understand and appreciate, by means of basic courses, the principles of chemistry. 2. By means of carefully supervised laboratory work and by an introduction to the literature of the

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field: a) to observe carefully and accurately natural phenomena. b) to realize and appreciate the problem of the application of the theoretical principles to actual experimental work. 3. By a study of the literature and by means of a minor research problem to initiate the development of the skills and attitudes requisite for research in the field of chemistry. 4. To meet the basic requirements in chemistry for entrance into graduate school, medical school, or industrial chemistry.

The minimum requirement for a major sequence in chemistry is twenty-four semester hours on the upper level, including courses in organic, quantitative analysis, and physical chemistry. For a minor sequence twelve semester hours in upper-level courses, including Chemistry 33, are required.

The following are prerequisite for upper-level courses, or requisite for graduation: Chemistry 13, 14, 38, and either 49 or 51. It is further necessary for a student majoring in chemistry to show credit in Mathematics 11.1-12.2 and in Physics 21-22. Two years of college German, or the equivalent, must be completed.

Unless otherwise noted, laboratory periods are three-hour periods. Laboratory fees: Chemistry 11, 12, 13, 14, 36, 45, and 46, each \$7.50. Chemistry 31, 32, 33, 34, 42, and 51, each \$10.00. Chemistry 49 and 50, each \$5.00.

### COURSES IN CHEMISTRY

#### 5. Principles of Chemistry 2 hours

A terminal course for non-Science majors and minors. A basic study is made of the viewpoint of the Chemist in his study of the physical world. This course presents the fundamental concepts on the composition of material substances, the forces responsible for chemical changes occurring in substances, and the relationship between chemical change and the energy changes which accompany them.

#### 11. General Chemistry 4 hours

An introduction to the field of chemistry, the course stresses the atomic theory and general chemical laws and theories governing gases, liquids, solids, and solutions. The work in the laboratory consists of experiments involving inorganic reactions. Three lectures and one laboratory period each week.

#### 12. Inorganic Chemistry and Qualitative Analysis 4 hours

A continuation of Chemistry 11, with emphasis on inorganic substances. The elements are studied individually and as members of related groups with the view of appreciating the relationships among all substances in nature. The laboratory work consists of qualitative analysis using a semi-micro technique for representative ions in

the inorganic field. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 11.

**13-14. General Chemistry and Qualitative Analysis 10 hours**

A more complete course in the fundamental principles of the science for Chemistry majors and for students preparing to enter Chemical Engineering or Metallurgy. The course stresses the theory involved in chemical activity. The laboratory work in the second semester is devoted to the qualitative analysis of representative cations and anions. Four lectures and one laboratory period each week. Prerequisite: Chemistry 13.

**31-32. Organic Chemistry 8 hours**

A study of the structure, reactions, and properties of the aliphatic and aromatic carbon compounds. The applications of organic chemistry in industry and medicine are emphasized. In the laboratory the important methods and techniques are stressed. The material presented in the lectures is illustrated by the preparation and identification of typical compounds. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 11-12, or 13-14.

**33. Quantitative Analysis 4 hours**

A study of the theoretical principles upon which analytical methods are based and an explanation and application of the calculations involved. In the laboratory the standard volumetric and gravimetric procedures are used. Two lectures and two laboratory periods each week.

Prerequisites: Chemistry 11-12 or 13-14.

**34. Advanced Quantitative Analysis 4 hours**

An advanced study of quantitative analysis. The laboratory work includes calibration of weights and volumetric apparatus, analysis of ores, ferrous and non-ferrous alloys. Some use is made of instrument analysis. Two lectures and two laboratory periods each week.

Prerequisite: Chemistry 33.

**35. Advanced Inorganic Chemistry 2 hours**

An introduction to the quantum theory and an application of quantum restrictions to chemical phenomena. This is followed by a treatment on photo energy and a discussion of the periodic classification of the elements and the arrangement of the periodic chart.

Prerequisites: Chemistry 11-12 or 13-14.

**36. Elementary Physical Chemistry 4 hours**

A course intended primarily for students who lack the mathematical preparation for the more extensive course, Chemistry 45-46. The principles of physical chemistry are treated from a descriptive

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### Suggested Program of Courses for the B.A. or B.S. Degree with Chemistry as Major

#### FRESHMAN YEAR

		Semester Hours	
Chemistry 13, 14 -----	5 5		General Chemistry and Qualitative Analysis
English 3-4 -----	3 3		Rhetoric and Composition
Mathematics 11.1-12.2 -----	6 6		College Mathematics
Philosophy 12 -----	3		Logic
Religion 1 -----	3		Christian Morality
	— —		
	17 17		

#### SOPHOMORE YEAR

Chemistry 31-32 -----	4 4	Organic Chemistry
German 1-2 -----	3 3	Introductory German
Humanities 23-24 -----	2 2	World Literature
Philosophy 21 -----	3	Philosophy of Man
Religion 25, 26 -----	3 3	Dogma; Sacraments
Social Science 1-2 -----	3 3	Development of Western Institutions
Speech 15 -----	2	Fundamentals of Speech
	— —	
	17 17	

#### JUNIOR YEAR

Chemistry 33, 34 -----	4 4	Quantitative; Adv. Quantitative Analysis
Chemistry 37, 38 -----	1 1	Literature of Chemistry; Pro-Seminar
German 21, 26 -----	3 3	Intermediate; Scientific German
Minor Sequence -----	3 3	
Philosophy 31; elective -----	3 3	Metaphysics; required elective
Physics 21-22 -----	4 4	College Physics
	— —	
	18 18	

#### SENIOR YEAR

Chemistry 39; 42 -----	2 4	Advanced Organic; Biochemistry
Chemistry 45-46 -----	4 4	Physical Chemistry
Chemistry 49-50; (or 51) -----	1 1(3)	Research in Chemistry; (or Honors Seminar)
Humanities 27, 25 -----	2 2	Art: History and Appreciation; Music Art Forms
Minor Sequence -----	3 3	
Religion, upper level -----	3	Required Elective
Social Science -----	3	Required Elective
Elective -----	3 3	
	— —	
	15-18 17(19)	

viewpoint with emphasis on solutions, colloids, and physical structure. This course may not be counted toward a major in chemistry. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 11-12 or 13-14 and 33, and Physics 21-22, or 23-24.

**37. Literature of Chemistry 1 hour**

The purpose of the course is to acquaint the student with the literature of the field. Weekly library reports based on the study of periodicals and reference works are required.

**38. Pro-seminar in Chemistry 1 hour**

The purpose of the course is to acquaint students majoring in chemistry with library research. Students are also introduced to the norms and procedures for writing a research report.

Prerequisite: Chemistry 37.

**39. Advanced Organic Chemistry 2 hours**

A continuation of Chemistry 32, the course deals with reaction mechanisms. Class discussions, requiring extensive use of the library facilities, on advanced organic reactions and laboratory procedures are held. Two lectures each week. (Offered in 1960-61.)

Prerequisite: Chemistry 31-32.

**42. Biochemistry 4 hours**

A study of the composition of organisms, of the food materials required by them, and the chemical changes attending the transformation of these food materials into the substances composing these organisms. Three lectures and one laboratory period each week.

Prerequisite: Chemistry 31-32.

**45-46. Physical Chemistry 8 hours**

A fundamental course based on the principles of physical chemistry. The role of energy in chemical reactions is treated both from the descriptive and the analytical viewpoints. Three lectures and one laboratory period each week.

Prerequisites: Chemistry 11-12 or 13-14 and 33, Mathematics 11.1-12.2 and Physics 21-22.

**49-50. Research in Chemistry 2 hours**

Early in the first semester, topics for research problems are chosen. Throughout the year, library research is pursued. Progress reports are made and discussed.

Prerequisites: A reading knowledge of German, Chemistry 37 and 38.

**51. Honors Seminar in Chemistry 3 hours**

An alternate course for Chemistry 49-50, open to students who have made a B average in the chemistry courses of the junior year.

Prerequisites: A reading knowledge of German, Chemistry 37 and 38.

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### DEPARTMENT OF ECONOMICS

The program in Economics has the following objectives: 1. To enable the student to gain a basic understanding of our economic system, to provide a field of concentration for those students who wish to pursue economics as their major study, and to offer those courses which are appropriately a part of the preparation for the study of business, government, journalism, and law. 2. To provide the requisite training for the teaching of economics in high schools, for the pursuit of graduate courses in economics, and for entrance into graduate schools of business.

The requirement for a major sequence is twenty-four hours in upper-level courses, including Economics 38, 41 and 42; (for seniors of June, 1961). Related courses highly recommended include Politics 21 and 22, and History 38. Students expecting to pursue graduate courses in economics are advised to show twelve hours of credit in foreign language, either French or German. The requirement for a minor sequence is twelve hours in upper-level courses.

All students majoring in Economics are required to take Accounting 13-14 or 21-22 (Seniors of 1962); Catholic students are also required to take Social Science 40.

Economics 21-22 is prerequisite for all upper-level courses.

### COURSES IN ECONOMICS

#### 21-22. Principles of Economics 6 hours

A study of the principles and problems connected with the production, exchange, and consumption of wealth, the level and fluctuation of national income and employment, and the economics of growth. Different types of economic systems are compared and evaluated.

#### 35. Money and Banking 3 hours

A study of the theory of money, monetary standards, banking principles, and monetary theory with special emphasis on the financial institutions of the United States.

#### 37. Government and Business 3 hours

A study of the foundations for government intervention in business and the activities in which it currently engages in relation to business, with emphasis on federal legislation as this applies to social security, labor relations, and the maintenance of competition. (Same as Business 37.)

#### 38. Business Statistics 3 hours

An introduction to the elements of statistical analysis, including the collecting, classifying, interpreting, and presenting of numerical data, with emphasis on their use in business. (Same as Business 38.)

**Suggested Program of Courses for the B.A. Degree  
with Economics as Major Sequence**

**FRESHMAN YEAR**

	Semester Hours	
Biology 5 -----	3	Principles of Biology
Business 5 -----	3	Introduction to Business
English 3-4 -----	3 3	Rhetoric and Composition
Humanities 25, 27 -----	2 2	Music Art Forms; Art: History and Appreciation
Mathematics 5 -----	3	General Mathematics
Philosophy 12 -----	3	Logic
Religion 1 -----	3	Christian Morality
Social Science 1-2 -----	3 3	Development of Western Institutions
Speech 15 -----	2	Fundamentals of Speech
	— —	
	16 17	

**SOPHOMORE YEAR**

Accounting 13-14 -----	3 3	Introductory Accounting
Economics 21-22 -----	3 3	Principles of Economics
Humanities 23-24 -----	2 2	World Literature
Philosophy 21 -----	3	Philosophy of Man
Religion 25, 26 -----	3 3	Dogma; Sacraments
Science requirement -----	2 2	Chemistry 5, Geology 5; or Physics 5 and Physics 7
Elective -----	3	
	— —	
	16 16	

**JUNIOR YEAR**

Business 39, 36 -----	3 3	Marketing, Corporation Finance
Economics 38 -----	3	Business Statistics
Economics 35 -----	3	Money and Banking
Economics 41, 42 -----	3 3	Advanced Income, Advanced Price An- alysis
Minor Sequence -----	3 3	
Philosophy 31 -----	3	Metaphysics
Electives -----	5 5	Recommended: Foreign Language; American Government
	— —	
	17 17	

**SENIOR YEAR**

Economics 37 -----	3	Government and Business
Economics 38 or 48 -----	3	Statistics; International Economics
Economics 43-44 -----	3 3	Labor Problems and Legislation
Economics 46 -----	3	Business Cycles
Economics 51 -----	3	Honors Seminar
Minor Sequence -----	3 3	
Philosophy, upper level -----	3	
Religion, upper level -----	3	
Social Science 40 -----	3	Catholic Social Principles
	— —	
	15 18	

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### 40. Public Finance 3 hours

A study of the principles of finance in government. Topics to be considered will include public revenues and expenditures, taxation, public debt, governmental budgeting, and fiscal policy. (Same as Politics 40).

### 41. Advanced Income Analysis 3 hours

An intensive study of national income accounting and the theory of national income determination with special emphasis on the policy implications of the analysis.

### 42. Advanced Price Analysis 3 hours

An intensive study of the theory of price in both the output and input markets with special emphasis on the application of modern tools of analysis to concrete business and public problems.

### 43-44. Labor Problems and Legislation 6 hours

A study of the issues involved in labor economics, with emphasis on the role that employers, unions, and the government may play in their solution. The first semester concentrates on the size and composition of the Labor force, the history of the labor movement, and the issues involved in collective bargaining; the second, on wages and hours, unemployment, and social security.

### 45. Transportation 3 hours

A course dealing with the economics of transportation: the extent of the market for goods in relation to transportation facilities and costs; the forms or methods of transportation; rate classifications; the regulation of transportation by the government. (Offered in 1959-60.)

### 46. Business Cycles 3 hours

In this course are discussed the different types of business fluctuations, the theories which have been advanced in explanation of them, and the measures which have been proposed for their control.

### 48. International Economics 3 hours

A study of the underlying basis of international trade, balance of payments adjustments, and the methods of international payments, together with an examination of the foreign trade position, the tariff policies, and the commercial agreements of the United States. (Offered in 1959-60.)

### 51. Honors Seminar in Economics 3 hours

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## DEPARTMENT OF EDUCATION

The Department of Education is designed to offer the student a knowledge of education in its theoretical and practical phases. Courses in the history and philosophy of education present the student

the means of employing the best of mankind's thought in the betterment of today's schools. Other courses are offered with the express purpose of acquainting the student with the professional skills and competencies that will be needed in the exercise of teaching duties.

State requirements for licenses and certificates vary, but in general all states call for these basic requirements: (1) A four-year curriculum leading to the Bachelor's degree. (2) Academic credit in major and minor areas; or, in the case of elementary teachers, adherence to a specified curriculum. (3) Professional courses in education. (4) A recommendation by the Director of student teaching and license adviser.

**Elementary School Training at St. Joseph's College:** St. Joseph's College has been authorized by the State of Indiana to train both elementary and secondary teachers. The program on page 80 has been worked out to comply with the requirements of the State of Indiana. All students who intend to qualify for elementary teaching in this state must follow the program as indicated. Students who intend to qualify for a state other than Indiana should consult their License Adviser. The Elementary program for Indiana is a special unit and the college requirements concerning major and minor sequences have been waived.

**Secondary School Teaching:** In general, a student who is preparing to teach in high school should major in the subject area which he intends to teach. However, in those cases where departmental requirements will not allow of sufficient electives to complete the required number of hours in professional education, a student may major in education by completing twenty-four upper-level hours selected from the offerings of the department. The professional requirements vary from state to state but generally between 16 and 20 hours of professional work are required.

Saint Joseph's College is authorized by the state of Indiana to offer teacher training in the following areas: (a) Language Arts; (b) Foreign language (with English); (c) Social Studies; (d) Biological Science; (e) Physical Science & Mathematics; (f) Mathematics; (g) General Science; (h) Health and Physical Education.

In addition to the above areas, each student may elect one of the following minor areas: (aa) English; (bb) Foreign Language; (cc) History; (dd) Social Studies; (ee) Biology; (ff) Physics; (gg) Chemistry; (hh) General Science; (ii) Mathematics; (jj) General Business; (kk) Retail selling; (ll) Health and Safety Education; (mm) Physical Education; (nn) Recreation.

Students who wish to qualify for a state other than Indiana

## 80 SAINT JOSEPH'S COLLEGE

### CURRICULUM FOR THE PREPARATION OF INDIANA ELEMENTARY TEACHERS\* FRESHMAN YEAR

		Semester	Hours	
Biology 13 -----	4			Introductory Biology
English 3-4 -----	3	3		Rhetoric and Composition
Humanities 27, 25 -----	2	2		Art: History and Appreciation; Music Art Forms
Philosophy 12 -----		3		Logic
Religion 1 -----		3		Christian Morality
Social Science 1-2 -----	3	3		Development of Western Institutions
Speech 15, 16 -----	2	2		Fundamentals of Speech; Voice and Articulation
Electives -----		3		
		— —		
		17 16		

### SOPHOMORE YEAR

Biology 25 -----	3		Personal and Community Health
History 23-24 -----	3	3	American Civilization I-II
Humanities 23-24 -----	2	2	World Literature
**Mathematics 5 (or 23) -----	3 (6)		Principles of Mathematics (or College Mathematics)
Philosophy 21 -----		3	Philosophy of Man
Physical Education 16 -----		2	First Aid and Safety
Polities 22 -----		3	American Government
Religion 25-26 -----	3	3	Dogma; Sacraments
Social Science 21 -----		(3)	World Geography
		— —	
		17(20) 16	

### JUNIOR YEAR

Geology 1 -----	4		Physical Geology
Education 30, 34 -----	3	3	Educational Psychology; Philosophy of Education
Education 41 -----	2		Child Psychology
Education 47 -----	3		Art Skills and Crafts
Education 40 -----		2	Children's Literature
Music 4 -----	2		Basic Theory
Philosophy 31 -----		3	Metaphysics
Physical Education 41 -----	2		Activities for Elementary Grades
Religion 30 -----		3	Christian Marriage
Electives -----		6	
		— —	
		16 17	

### SENIOR YEAR

Education 37 -----	3		Tests and Measurements
Education 45 -----	6		Student Teaching: Elementary School
Education 48.1 -----	3		Language Arts
Education 48.3 -----	3		Methods in Natural and Social Science
Education 48.4 -----	2		Methods in Arithmetic
Education 48.6 -----	2		Methods in Music
Philosophy, upper level -----		3	
Science requirements -----	2	2	Chemistry 5, or Physics 5, Physics 7
Electives -----		7	
		— —	
		17 16	

\* Most states have reciprocal agreements; hence, a student who qualifies for Indiana can qualify for most other states. Students intending to qualify for other states should consult the Dean or the Director of Guidance.

\*\* Students taking Mathematics 23 can take Social Science 21 in the second semester of their Junior or Senior Year.

should work out their program with their license adviser. In general the requirements for the neighboring states are as follows:

**Illinois:** 16 hours in professional education are required. In addition the student must present a teaching major of 32 hours and a teaching minor of 16 hours.

**Michigan:** 20 semester hours of professional education are required; in addition the student must present a teaching major of 24 semester hours and two teaching minors of 15 hours each.

**Ohio:** 17 semester hours in professional education are required and teaching fields as designed on the application blank.

### COURSES IN EDUCATION

**19. Principles of Secondary Education 3 hours**

A presentation of the aims and functions of high school education; special problems of guidance proper to this stage in a student's development; the general program of studies and the contribution of individual subjects to the needs of secondary pupils. Catholic principles of education are stressed throughout the course.

**30. Educational Psychology 3 hours**

The course in educational psychology aims to give the student an understanding of the characteristics of human behavior and the factors which affect its development. Emphasis is placed on those basic facts and principles that are generally accepted by today's educators and that can be integrated into the student's own experience and made to function in his educational career.

Prerequisite: Philosophy 21. General Psychology.

**32. General Methods 3 hours**

This course deals with general principles of effective teaching in secondary schools. Topics for discussion include: selection and arrangement of subject matter; motivation and direction of learning activities; discipline; questioning, assignment and review procedure; problem-project teaching and socialized recitation; development of appreciation, attitudes and ideals.

**33. History of Education 3 hours**

An exposition of the development of school systems and educational practices. The reading assignments will include historical materials to illustrate the rise of new movement in education and biographical sketches of outstanding educational leaders.

**34. Philosophy of Education 3 hours**

A study of the philosophical principles underlying education as a social institution. The course aims to provide the student with

## 82 SAINT JOSEPH'S COLLEGE

a norm for estimating the relative values of educational theories and agencies which influence the work of the schools. (Offered in 1959-60.)

### 35. Elementary Statistics 3 hours

An elementary course in statistical analysis. Problems are taken from education and psychology and include the computation and interpretation of averages, measures of variability, coefficients of correlation and measures of reliability. (Offered in 1958-59.)

### 36. Elementary Curriculum 3 hours

A general introduction to the principles and trends in the various areas of the curriculum in the light of modern concepts of child development.

### 37. Educational Tests and Measurements 3 hours

Principles of test construction, types and characteristics of group tests, application of such tests to school problems and evaluation of results. Practice in taking and giving such tests in actual school situations. (Offered in 1959-60.)

### 38. Sociology of Education 3 hours

The school and the society. The function of the school as an agent of culture transfer. Detail of current analyses. Projects.

### 39. Counseling and Guidance 2 hours

Principles and techniques of personal counseling and of educational and vocational guidance of high school students. Attention is given to the use of appropriate tests, rating scales, interview techniques, organization of the guidance program, placement and follow-up services in the high school.

### 40. Children's Literature 2 hours

An overview of the field of children's literature and an intensive study of types at various levels. The place of poetry, folk tales, story telling and dramatics in elementary education.

### 41. Child Psychology 2 hours

A study of the psychological factors in child development from birth to adolescence; attention is given to intellectual, emotional, social, physical and religious development.

### 42. Adolescent Psychology 3 hours

A study of the nature of adolescents with special reference to their physical, mental, emotional, social, moral and religious problems and development.

### 43. Mental Hygiene 2 hours

A study of the psychological evidence upon which the point of view, principles and techniques of mental hygiene are based; the application of the findings to the educative process.

**44. Professional Laboratory Experiences 2 hours**

Laboratory and seminar course involving guided observation and participation in the activities of the elementary school.

**45. Student Teaching: Elementary School 6 hours**

Students registered as student teachers will be present five days a week in the classroom to which they are assigned. Under the direction of the supervising teacher the student has full charge of the class when he teaches and is held responsible for the full control and management as well as the instruction.

**46. Student Teaching: High School 5 hours**

This course is required of all students working for a high school teacher's license. Students are required to observe classes in the local schools for thirty to thirty-five periods, and to record the results of their observations. Each student is also required to plan and teach from sixty to sixty-five periods under the supervision of an approved critic teacher. Individual conferences and group meetings are held weekly with the Director of Teacher Training.

Prerequisite: Senior standing.

**47. Art Skills and Crafts 3 hours**

The fundamentals of drawing, pattern composition, essentials of lettering and posters are intertwined with the materials, processes and products of industry. The student is shown how to organize this knowledge for effective teaching at the elementary level.

**48.1. Language Arts 3 hours**

A consideration of the program of reading at the elementary level. The first portion of the course emphasizes the following aspects: reading-readiness, phonics, diagnosis in reading, and remedial measures. The second portion stresses the expressional phase of the elementary program, including oral and written expression, grammar, spelling, and handwriting.

**48.3. Methods in Natural and Social Science 3 hours**

A survey of the materials and methods to be used in the developing of the social and natural sciences in the grades. Emphasis is given to the formulation of definite principles to use in the selection of suitable materials and evaluation in these fields.

**48.4. Methods in Arithmetic 2 hours**

A study of the techniques and methods of teaching arithmetic in the elementary school. Distribution of content according to grade levels; diagnosis of number difficulties; remedial instruction; testing.

## 84 SAINT JOSEPH'S COLLEGE

### 48.6 Methods in Music 2 hours

Modern methods of presenting music to children in the elementary school. Discussion of such topics as rhythmic activity, singing, appreciation, and means of helping the less musically gifted child.

### 49. Special Methods: High School 2 hours

Professional academic courses are organized in each of the teaching fields described by the Comprehensive Areas. These courses deal with the particular aims, materials, and methods of the respective subjects as presented in the modern high school. Credit in Special Methods courses applies to the requirement in professional education, but may not be counted toward a major or a minor in the academic department to which the subject is related.

#### SPECIAL METHODS COURSES

##### 49.LA. The Teaching of Language Arts in High School

For prospective teachers of English, speech, and journalism.

##### 49.FL. The Teaching of Foreign Language in High School

For prospective teachers of German, French, Latin, and Spanish. Materials are adapted to individual needs.

##### 49.SS. The Teaching of Social Studies in High School

For prospective teachers of history, geography, economics, political science, and general business.

##### 49.Sc. The Teaching of Mathematics and Natural Science

For prospective teachers of mathematics, general science, biology, chemistry, and physics.

##### 49.PE. The Teaching of Health and Physical Education

For prospective teachers of health, and high school athletics.

##### 49.Mu. The Teaching of Music in High School

For prospective teachers of music.

### 51. Honors Seminar in Education 3 hours

## ENGINEERING

## FIVE-YEAR ENGINEERING PROGRAMS

The following programs enable students to combine a liberal arts course at Saint Joseph's College with education in Engineering at a University or Technical School. Under this plan, the student attends Saint Joseph's for three years\* and then transfers to the Engineering School for the completion of advanced courses in a particular field of engineering. Formal agreements on this 3-2 program have been completed with the following: the **University of Illinois**, **Notre Dame University**, **Purdue University**, and **Rose Polytechnic Institute**; however, students may transfer to any accredited engineering college.

Upon the successful completion of the requirements from Saint Joseph's, the candidate will receive the Bachelor of Arts degree, and, upon the successful completion of the five-year course, the Bachelor of Science in Engineering from the school to which he has transferred. The B. A. degree for Aeronautical, Civil, Electrical, Mechanical and Metallurgical engineering is given in Mathematics-Physics; for Agriculture and Food Engineering, in Biology-Chemistry; for Chemical Engineering, in Chemistry; for Fire Protection and Safety, and for Industrial Engineering, in Economics.

Students in the 3-2 program are accepted at these engineering schools only on recommendation of the Dean's Committee on Engineering. They must submit a formal application for transfer to an engineering school in the fall semester of their junior year.

The 3-2 Engineering student is subject to all graduation requirements. In place of the Comprehensive Examination, however, he should plan to take the Graduate Record Examination (Area Tests in Humanities, Natural Science and Social Science and the Advanced Test in Engineering or Agriculture). This test can be taken at Saint Joseph's (consult College Calendar) or at an authorized testing center, but no earlier than the eighth semester of the Engineer's course of studies. His scores on the Graduate Record Examination will be submitted for approval to the Division of Natural Sciences.

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\* Some programs may require an extra semester or a summer session at the engineering college.

## 86 SAINT JOSEPH'S COLLEGE

### Approved Sequence of Courses for the First Three Years of the Aeronautical Engineering Program.\*

#### FRESHMAN YEAR

		Semester	
		Hours	
English 3-4 -----	3	3	Rhetoric and Composition
Humanities 27, 25 -----	2	2	Art: History and Appreciation; Music Art Forms
Mathematics 11.1-12.2 -----	6	6	College Mathematics
Philosophy 12, 21 -----	3	3	Logic; Philosophy of Man
Religion 1 -----	3		Christian Morality
Speech 15 -----	2		Fundamentals of Speech
	—	—	
	17	16	

#### SOPHOMORE YEAR

Chemistry 11-12 -----	4	4	General Chemistry and Qualitative Analysis
Mathematics 11.1-12.2 -----	6	6	Calculus II; Advanced Calculus
Humanities 23-24 -----	2	2	World Literature
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
	—	—	
	17	17	

#### JUNIOR YEAR

Mathematics 9, 10 -----	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics elective -----	3		Elective from 33, 35, 37, 41
Mathematics 34 -----	3		Differential Equations
Philosophy 31 -----	3		Metaphysics
Philosophy, upper level -----	3		Required Elective
Physics 43, 44 -----	3	3	Statics; Dynamics
Religion, upper level -----	3		Required Elective
**Social Science 1-2 -----	3	3	Development of Western Institutions
Physics, elective -----	3		
	—	—	
	18	18	

\* It may be helpful for students to know that the first three years of the Aeronautical, Civil, and Mechanical Program are the same.

\*\* Students planning to attend Illinois Institute of Technology or Purdue choose Economics 21-22 instead of Social Science 1-2.

**Approved Sequence of Courses for the First Three Years of  
a Combined Program in Agriculture**

**FRESHMAN YEAR**

	Semester	Hours	
Biology 11, 12 -----	4 4		Introductory Zoology; Botany
English 3-4 -----	3 3		Rhetoric and Composition
Humanities 23-24 -----	2 2		World Literature
Mathematics 11.1-12.2 -----	6 6		College Mathematics
Philosophy 12 -----	3		Logic
Religion 1 -----	3		Christian Morality
	— —		
	18 18		

**SOPHOMORE YEAR**

Chemistry 11, 12 -----	4 4	General Inorganic; Qualitative
Economics 21 -----	3	Principles of Economics
Humanities 27, 25 -----	4	Art: History and Appreciation; Music Art Forms
Philosophy 21, 31 -----	3 3	Philosophy of Man; Metaphysics
Physics 21, 22 -----	4 4	College Physics
Religion 25, 26 -----	3 3	Dogma; Sacraments
	— —	
	17 18	

**JUNIOR YEAR**

Biology 43-44 -----	4 4	Bacteriology
Chemistry 31-32 -----	4 4	Organic Chemistry
Geology 1 -----	4	Physical Geology
Philosophy, upper level -----	3	Required Elective
Religion, upper level -----	3	Required Elective
Social Science 1-2 -----	3 3	
Speech 15 -----	2	
	— —	
	17 17	

## 88 SAINT JOSEPH'S COLLEGE

### Approved Sequence of Courses for the First Three Years of Chemical Engineering Program

#### FRESHMAN YEAR

	Semester	Hours	
Chemistry 13, 14 -----	5 5		General Chemistry; Qualitative Analysis
English 3-4 -----	3 3		Rhetoric and Composition
Mathematics 11.1-12.2 -----	6 6		College Mathematics
Philosophy 12 -----	3		Logic
Religion 1 -----	3		Christian Morality
Speech 15 -----	2		Fundamentals of Speech
	— —		
	17 19		

#### SOPHOMORE YEAR

Chemistry 33 -----	4	Quantitative Analysis
Humanities 27, 25 -----	2 2	Art: History and Appreciation; Music Art Forms
Mathematics 31, 32 -----	3 3	Calculus II; Advanced Calculus
Philosophy 21, 31 -----	3 3	Philosophy of Man; Metaphysics
Physics 23-24 -----	5 5	Engineering Physics
Religion 25, 26 -----	3 3	Dogma: Sacraments
	— —	
	18 18	

#### JUNIOR YEAR\*

Chemistry 36 -----	4	Elementary Physical Chemistry
Chemistry 37, 38 -----	1 1	Literature of Chemistry; Pro-Seminar
Humanities 23-24 -----	2 2	World Literature
Mathematics 9, 10 -----	3 3	Mechanical Drawing; Descriptive Geom- etry
Philosophy, upper level -----	3	Required Elective
Physics 43, 44 -----	3 3	Statics; Dynamics
Religion, upper level -----	3	Required Elective
Social Science 1-2 -----	3 3	Development of Western Institutions
Mathematics 34 -----	3	Differential Equations
	— —	
	18 19	

\* Students are to consult the Chairman of the Department of Chemistry before registering for their Junior Year.

**Approved Sequence of Courses for the First Three Years of the Civil Engineering Program.\***

**FRESHMAN YEAR**

	Semester	Hours	
English 3-4 -----	3 3		Rhetoric and Composition
Humanities 27, 25 -----	2 2		Art: History and Appreciation; Music
			Art Forms
Mathematics 11.1-12.2 -----	6 6		College Mathematics
Philosophy 12, 21 -----	3 3		Logic; Philosophy of Man
Religion 1 -----	3		Christian Morality
Speech 15 -----			Fundamentals of Speech
	— —		
	17 16		

**SOPHOMORE YEAR**

Chemistry 11-12 -----	4 4	General Chemistry and Qualitative Analysis
Mathematics 31, 32 -----	3 3	Calculus II; Advanced Calculus
Humanities 23-24 -----	2 2	World Literature
Physics 23-24 -----	5 5	Engineering Physics
Religion 25, 26 -----	3 3	Dogma; Sacraments
	— —	
	17 17	

**JUNIOR YEAR**

Geology 11 -----	4	Physical Geology
Mathematics 9, 10 -----	3 3	Mechanical Drawing; Descriptive Geometry
Mathematics elective -----	3	Elective from 33, 35, 37, 41
Mathematics 34 -----	3	Theory of Equations; Differential Equations
Philosophy 31 -----	3	
Philosophy, upper level -----	3	
Physics 43, 44 -----	3 3	Statics; Dynamics
Religion, upper level -----	3	Required Elective
**Social Science 1-2 -----	3 3	Development of Western Institutions
	— —	
	19 18	

\* It may be helpful for students to know that the first three years of the Aeronautical, Civil, and Mechanical Program are the same.

\*\* Students planning to attend Illinois Institute of Technology or Purdue choose Economics 21-22 instead of Social Science 1-2.

## 90 SAINT JOSEPH'S COLLEGE

### Approved Sequence of Courses for the First Three Years of the Electrical Engineering Program.\*

#### FRESHMAN YEAR

		Semester	
		Hours	
English 3-4 -----	3 3	Rhetoric and Composition	
Humanities 27, 25 -----	2 2	Art: History and Appreciation; Music Art Forms	
Mathematics 11.1-12.2 -----	6 6	College Mathematics	
Philosophy 12, 21 -----	3 3	Logis; Philosophy of Man	
Religion 1 -----	3	Christian Morality	
Speech 15 -----	2	Fundamentals of Speech	
	— —		
	17 16		

#### SOPHOMORE YEAR

Chemistry 11-12 -----	4 4	General Chemistry and Qualitative Analysis
Mathematics 31, 32 -----	3 3	Calculus II; Advanced Calculus
Humanities 23-24 -----	2 2	World Literature
Physics 23-24 -----	5 5	Engineering Physics
Religion 25-26 -----	3 3	Dogma; Sacraments
	— —	
	17 17	

#### JUNIOR YEAR

Mathematics 9, 10 -----	3 3	Mechanical Drawing; Descriptive Geometry
Mathematics 34 -----	3	Differential Equations
Philosophy 31 -----	3	Metaphysics
Philosophy, upper level -----	3	Required Elective
Physics 31 -----	3	Electric Circuits
Physics 43, 44 -----	3 3	Statics; Dynamics
Religion, upper level -----	3	Required Elective
**Social Science 1-2 -----	3 3	Development of Western Institutions
Physics, elective -----	3	Suggested: Physics 45, Electronics I
	— —	
	18 18	

\* Students planning to attend Illinois Institute of Technology or Purdue choose Economics 21-22 instead of Social Science 1-2.

**Approved Sequence of Courses for the First Three Years of the  
Industrial Engineering Program**

**FRESHMAN YEAR**

	Semester		
	Hours		
English 3-4 -----	3	3	Rhetoric and Composition
Humanities 23-24 -----	2	2	World Literature
Humanities 25 -----		2	Music Art Forms
Mathematics 11.1-12.2 -----	6	6	College Mathematics
Philosophy 12, 21 -----	3	3	Logic; Philosophy of Man
Religion 1 -----	3		Christian Morality
Speech 16 -----		2	Fundamentals of Speech
	—	—	
		17 18	

**SOPHOMORE YEAR**

Chemistry 11, 12 -----	4	4	General Chemistry and Qualitative Analysis
Accounting 21-22 -----	3	3	Principles of Accounting
Mathematics 31, 32 -----	3	3	Calculus II; Advanced Calculus
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
	—	—	
		18 18	

**JUNIOR YEAR**

Accounting 42 -----	3	Cost Accounting
Economics 21-22 -----	3	Principles of Economics
Humanities 27 -----	2	Art: History and Appreciation
Mathematics 9, 10 -----	3	Mechanical Drawing; Descriptive Geometry
Mathematics 34 -----	3	Differential Equations
Philosophy 31 -----	3	Metaphysics
Philosophy, upper level -----	3	Required Elective
Physics 43, 44 -----	3	Statics; Dynamics
Religion, upper level -----	3	Required Elective
	—	—
		17 18

## 92 SAINT JOSEPH'S COLLEGE

### Approved Sequence of Courses for the First Three Years of the Mechanical Engineering Program.\*

#### FRESHMAN YEAR

	Semester	Hours	
English 3-4 -----	3	3	Rhetoric and Composition
Humanities 27, 25 -----	2	2	Art: History and Appreciation; Music Art Forms
Mathematics 11.1-12.2 -----	6	6	College Mathematics
Philosophy 12, 21 -----	3	3	Logic; Philosophy of Man
Religion 1 -----	3		Christian Morality
Speech 15 -----	2		Fundamentals of Speech
	—	—	
		17 16	

#### SOPHOMORE YEAR

Chemistry 11-12 -----	4	4	General Chemistry and Qualitative Analysis
Mathematics 31, 32 -----	3	3	Calculus II; Advanced Calculus
Humanities 23-24 -----	2	2	World Literature
Physics 23-24 -----	5	5	Engineering Physics
Religion 25, 26 -----	3	3	Dogma; Sacraments
	—	—	
		17 17	

#### JUNIOR YEAR

Mathematics 9, 10 -----	3	3	Mechanical Drawing; Descriptive Geometry
Mathematics elective -----	3		Elective from 33, 35, 37, 41
Mathematics 34 -----	3		Theory of Equations; Differential Equations
Philosophy 31 -----	3		Metaphysics
Philosophy, upper level -----	3		
Physics 43, 44 -----	3	3	Statics; Dynamics
Religion, upper level -----	3		Required Elective
**Social Science 1-2 -----	3	3	Development of Western Institutions
Physics, elective -----	3		
	—	—	
		18 18	

\* It may be helpful for students to know that the first three years of the Aeronautical, Civil, and Mechanical Program are the same.

\*\* Students planning to attend Illinois Institute of Technology or Purdue choose Economics 21-22 instead of Social Science 1-2.

**Approved Sequence of Courses for the First Three Years of the  
Metallurgical Engineering Program**

**FRESHMAN YEAR**

	Semester	Hours	
Chemistry 13, 14 -----	5 5		General Chemistry; Qualitative Analysis
English 3-4 -----	3 3		Rhetoric and Composition
Mathematics 11.1-12.2 -----	6 6		College Mathematics
Philosophy 12 -----	3		Logic
Religion 1 -----	3		Christian Morality
Humanities 25 -----	2		Music Art Forms
	— —		
	17 19		

**SOPHOMORE YEAR**

Chemistry 33 -----	4	Quantitative Analysis
Humanities 27 -----	2	Art: History and Appreciation
Mathematics 31, 32 -----	3 3	Calculus II; Advanced Calculus
Philosophy 21, 31 -----	3 3	Philosophy of Man; Metaphysics
Physics 23-24 -----	5 5	Engineering Physics
Religion 25, 26 -----	3 3	Dogma; Sacraments
Speech 15 -----	2	Fundamentals of Speech
	— —	
	18 18	

**JUNIOR YEAR\***

Chemistry 36 -----	4	Elementary Physical Chemistry
Chemistry 37, 38 -----	1 1	Literature of Chemistry; Pro-Seminar
Humanities 23-24 -----	2 2	World Literature
Mathematics 9, 10 -----	3 3	Mechanical Drawing; Descriptive Geometry
Philosophy, upper level -----	3	Required Elective
Physics 43, 44 -----	3 3	Statics; Dynamics
Religion, upper level -----	3	Required Elective
Social Science 1-2 -----	3 3	Development of Western Institutions
Mathematics 34 -----	3	Differential Equations
	— —	
	18 19	

\* Students are to consult the Chairman of the Department of Chemistry before registering for their Junior Year.

DEPARTMENT OF ENGLISH  
DEPARTMENT OF ENGLISH

The aims of the Department of English are: 1. To teach the student to read with understanding, and to write and speak with correctness, with exactness, and with some artistry. 2. To develop a capacity for the enjoyment of literature, especially of the major English and American authors. 3. To cultivate what Newman calls "enlargement of mind," which embraces breadth and depth of view, critical judgment, and good taste. 4. To provide adequate preparation for graduate studies, for teaching in secondary schools, and for the study of journalism or law.

A major sequence comprises a minimum of twenty-four semester hours in upper-level work. Courses in speech and dramatics may be applied on the major but are not included in computing the maximum hours (42) permitted in a single department. On the lower-level the student planning an English major must take English 21-22. Twelve hours in a foreign language are required of the English major. If he chooses to make this language his minor, he may compute the credit from all courses above the freshman level to fill the requirements for a minor.

The group major in English-journalism comprises a minimum of thirty semester hours in upper-level courses so distributed that each department is represented by at least twelve. Six hours in a foreign language are required.

**Special Departmental Regulations.** Prior to the semester examination, students in Freshman English may be required to take an objective standardized test administered by the Department. The results will be combined with those in the course examinations to determine promotion and revision of class sections for the second semester.

## COURSES IN ENGLISH

## 3-4. Rhetoric and Composition 6 hours

This course embodies the study and practice of correct and effective writing. It includes a review of grammar, syntax, and the mechanics of expression.

## 7-8. Composition and Literature 6 hours

A course restricted to certain pre-theological students who have pursued a college-preparatory curriculum. Advanced composition is integrated with the study of the major American authors in the first semester, and of Catholic authors in the second.

**21. Introduction to Literary Studies 3 hours**

A survey of the general history of literature in English, the nomenclature of literary analysis and criticism, and the reading of representative master-works in the major literary genres. Required of all English majors.

**22. The English Language 3 hours**

The nature and history of language as particularly exemplified by English. Special studies in such areas as etymologies, meaning, and the unities of English grammar, from the morpheme to the sentence as a whole. Required of all English majors.

**31-32. Shakespeare 6 hours**

A critical study of Shakespeare's life and works. The first semester treats his life, the histories, and the comedies; the second semester, the tragedies. (Offered in 1959-60.)

**33. The Romantic Age 3 hours**

A study of the main writers of the period and their relation to their own and later times. (Offered in 1959-60.)

**34. The Victorian Age 3 hours**

A study of the main Victorian and later Victorian writers and their relation to contemporary ideas. (Offered in 1959-60.)

**35-36. American Literature 6 hours**

The major prose and poetry writers of American literature are studied critically and historically. (Offered in 1959-60)

**37. Advanced Writing 3 hours**

Advanced studies in expository, descriptive, narrative and persuasive writing. (Offered in 1959-60.)

**41. Renaissance 3 hours**

A study of selected non-dramatic writings by the major English authors from St. Thomas More to Milton inclusive (Offered in 1960-61.)

**42. Neo-Classicism 3 hours**

A study of major writers of the English revival of classicism.

**43. Chaucer 3 hours**

An introduction to the study of the laws of the English language. Reading of Old and Middle English texts, with emphasis on Chaucer's *Canterbury Tales*. (Offered in 1960-61.)

**44. Contemporary British Literature 2 hours**

A survey of the chief authors and major works and trends in England since 1918, exclusive of the drama and the novel. (Offered in 1960-61.)

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### Suggested Program of Courses for the A.B. Degree with English as Major Sequence

#### FRESHMAN YEAR

	Semester	Hours	
English 3-4 -----	3	3	Rhetoric and Composition
Humanities 23-24 -----	2	2	World Literature
Natural Science 2 -----	3		Principles of Biology
Philosophy 12 -----		3	Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 15 -----		2	Fundamentals of Speech
Electives -----	3	3	Foreign Language
	—	—	
		17 16	

#### SOPHOMORE YEAR

English 21-22 -----	3	3	Introduction to Literary Studies; The English Language
Humanities 27, 25 -----	2	2	Art: History and Appreciation; Music Art Forms
Mathematics 5 -----		3	General Mathematics
Philosophy 21 -----	3		Philosophy of Man
Religion 25, 26 -----	3	3	Dogma; Sacraments
Science Requirements -----		2	Chemistry 5, or Geology 5, or Physics 5, or Physics 7
Social Science -----	3		Economics; Geography; History; Politics; Sociology
Electives -----	3	3	Foreign Language
	—	—	
		17 16	

#### JUNIOR YEAR

English 31-32 or 43-42 -----	3	3	Shakespeare; or Chaucer; Neo-Classicism
English 33-34 or 45-46 -----	3	3	The Romantic Age; the Victorian Age; or The Novel; The Drama
English 35-36 or 41-48 -----	3	3	American Literature; or Renaissance; Literary Criticism
English, upper level -----	3	3	Elect from English 37, 44, 47
Philosophy 31 -----		3	Metaphysics
Science Requirement -----		2	Chemistry 5; or Geology 5, or Physics 5, or Physics 7
Elective -----		6	
	—	—	
		17 18	

#### SENIOR YEAR

English 31-32 or 43-42 -----	3	3	Shakespeare; or Chaucer; Neo-Classicism
English 33-34 or 45-46 -----	3	3	The Romantic Age; the Victorian Age; or The Novel; The Drama
English 35-36 or 41-48 -----	3	3	American Literature; or Renaissance; Literary Criticism
English, upper level -----	3	3	Elect from English 37, 44, 47
Philosophy, upper level -----		3	
Elective -----	5	2	
	—	—	
		17 17	

**45. The Novel 3 hours**

A study of the major English and American novelists from Richardson to the present time. (Offered in 1960-61.)

**46. The Drama 3 hours**

A survey of the chief trends in English and American drama from the beginnings to the present, with emphasis on the reading of representative plays exclusive of Shakespeare's. (Offered in 1960-61.)

**47. Catholic Literature 3 hours**

An introduction to the Catholic literary revival in England and America since 1800, and its ties with Catholic literature in other tongues. (Offered in 1960-61.)

**48. Literary Criticism 3 hours**

A study of the nature, basic values, and techniques of literature as interpreted by various critics. Insight into principles, criteria, and methods is deepened through selected reading.

**51. Honors Seminar in English 3 hours**

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**COURSES IN FRENCH****1-2. Introductory French 6 hours**

Careful training in the fundamentals of French grammar and pronunciation. Simultaneous development of the four ends of language study: reading, aural comprehension, writing, and speaking.

**21-22. Intermediate French 6 hours**

Intensive reading of selected short stories, plays, and excerpts which treat of French customs and culture. Review of grammar. Exercises in writing and speaking.

**31. Advanced French Composition 3 hours**

Exercises in idiomatic construction and beauty of expression. Prerequisite: French 1-2 and 21-22, or equivalent.

**32. French Literature 3 hours**

A survey of French literature from its beginnings to the nineteenth century. Reading assignments and written reports.

**41-42. French Literature 6 hours**

A survey of French literature of the nineteenth and twentieth centuries. Special emphasis on the Catholic Renascence. Reading assignments and written reports.

### DEPARTMENT OF GEOLOGY

In addition to their contribution to general education the courses in geology are designed to prepare the student for entrance into graduate school or specific occupational fields. In this latter respect the courses are intended to prepare the student for a position with the United States Civil Service Commission, to enable him to work with the United States Geological Survey and State Geological Surveys, or to train him for employment in the petroleum or mining industries, or with the National Park Service, either in the field or in the home laboratory.

The minimum requirement for a major is twenty-four semester hours in upper-level courses including Geology 39, 43 and 44. For a minor sequence, twelve semester hours in upper-level courses are required.

Students majoring in Geology must show credit in or give evidence of sufficient knowledge of Physics 21-22, or 23-24, Chemistry 11, 12, and Mathematics 23.

Laboratory fees: Geology 11 and 12, each \$5.00. Geology 33, 34, 37, 41, 42, and 46, each \$7.50.

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### COURSES IN GEOLOGY

**5. Principles of Geology** 2 hours

An introduction to geological science. This course deals with the study of the physical and historical geology of the earth as revealed in rock formations and other natural features.

**11. Physical Geology** 4 hours

This course introduces the student to the field of geology through a study of the following topics: rock weathering, mass wasting, sculpture of lands by streams, subsurface water, lakes and swamps, glaciation, erosion and deposition by the wind, marine erosion, volcanoes, deformation of the earth's crust, earthquakes, metamorphism, land forms, the common rocks and minerals, topographic maps. Three lectures and one laboratory period each week.

**12. Historical Geology** 4 hours

A further introduction to the field of geology through a study of the following topics: earth history recorded in the rocks, the constant change of living things, the scale of time, the Precambrian, Paleozoic, and Cenozoic world, fossils, geologic maps. Three lectures and one laboratory period each week.

Prerequisite: Geology 11.

**32. Graphic Procedures in Geology** 3 hours

This course covers the elements of engineering drawing as ap-

plied to geologic problems. The first half of the semester is devoted to instruction in sketching, lettering, use of instruments, the construction of charts, maps, and geologic illustrations. The second half of the course covers the principles of orthographic projection and plane descriptive geometry as used in the solution of practical geologic problems. Three two-hour periods per week. Prerequisite: Geology 12 and consent of Instructor.

**33. Mineralogy 4 hours**

A course dealing with physical, chemical, descriptive, economic, and determinative mineralogy, and the fundamentals of crystallography. Two lectures and two laboratory periods each week.

Prerequisite: Chemistry 11, 12.

**34. Petrology 3 hours**

A study of the formation, occurrence, and characteristics of the common rocks together with their field identification. Two lectures and one laboratory period each week.

Prerequisite: Geology 12 and 33.

**35. Geomorphology 3 hours**

The study of the land forms produced by various geologic processes on the surface of the earth; the use of land forms in the interpretation of geologic history. Two lectures and one laboratory period each week.

Prerequisite: Geology 12.

**37. Photogeology 2 hours**

The course embraces the evalution and depiction of geologic phenomena from aerial photographs. The primary emphasis is placed on the delineation of structural, petrologic, geomorphic and cultural features. Two laboratory periods per week. Pre-requisite: Geology 12, 34.

**39. Field Geology 6 hours**

Geology of the Silver City Region, New Mexico. An eight weeks summer field course directed from the campus of St. Mary's Academy in Silver City. Field training in stratigraphy, structure, geomorphology and economic geology. Topographic mapping; geologic mapping with plane table, Brunton compass, topographic maps, and aerial photographs.

Prerequisite: Geology 12; consent of the Director.

**41. Invertebrate Paleontology 4 hours**

Morphology, classification, geological significance of fossils; special study of index fossils of North America. Three lectures and one laboratory period each week.

Prerequisite: Geology 12.

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### Suggested program of courses for the A.B. or B.S. degree with Geology as Major Sequence\*

#### FRESHMAN YEAR

	Semester	Hours	
Chemistry 11, 12 -----	4	4	General Inorganic, Qualitative
English 3, 4 -----	3	3	Rhetoric and Composition
Geology 11, 12 -----	4	4	Physical; Historical
Mathematics 23 -----	6		College Mathematics
Philosophy 12 -----		3	Logic
Religion 1 -----		3	Christian Morality
	—	—	
		17	17

#### SOPHOMORE YEAR

Geology 32 -----	3	Graphic Procedures in Geology
Geology 33, 34 -----	4	Mineralogy; Petrology
Humanities 23-24 -----	2	World Literature
Philosophy 21 -----	3	Philosophy of Man
Physics 21, 22 (or 23, 24) -----	4(5)	College Physics (Engineering Physics)
Religion 25, 26 -----	3	Dogma; Sacraments
Speech 15 -----	2	Fundamentals of Speech
	—	
	16-17	17-18

#### JUNIOR YEAR

Geology 35 -----	3	Geomorphology
Geology 43 -----	4	Structural Geology
Geology 41, 44 -----	4	Invertebrate Paleontology; Stratigraphy
Philosophy 31 -----	3	Metaphysics
Humanities 25 -----	2	Music Art Forms
Social Science 1, 2 -----	3	Development of Western Institutions
Minor Sequence -----	3	
Elective -----	3	
	—	
	17	17

#### Summer Session

Geology 39 -----	6	Field Geology
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#### SENIOR YEAR

Geology 42 -----	3	Subsurface Geology
Geology 46 -----	3	Economic Geology
Geology 47, 48 -----	1	Seminar in Geology
Humanities 27 -----	2	Art: History and Appreciation
Philosophy, upper level -----	3	Required elective
Religion, upper level -----	3	Required elective
Social Science, lower or upper level -----	3	Required elective
Minor Sequence -----	3	
Electives -----	3	
	—	
	15	16

\* In planning the courses for the minor sequence, students must bear in mind the prerequisites for upper level courses. This may require certain adjustments in the sophomore year.

**42. Subsurface Geology 3 hours**

A course on the subsurface geology of the occurrence and production of oil and other mineral bodies. Two lectures and one laboratory period each week.

Prerequisites: Geology 12, 34, and 41.

**43. Structural Geology 4 hours**

A study of the framework of the earth's crust; the deformation of the earth, its causes and effects. Three lectures and one laboratory period each week.

Prerequisites: Geology 12, 34 and Mathematics 23.

**44. Stratigraphy 3 hours**

Methods of description, classification and interpretation of faunal and facies changes; correlation of stratigraphic units, with emphasis on those of Indiana and Illinois. Laboratory and field exercises in stratigraphic problems. Two lectures and one laboratory period each week.

Prerequisites: Geology 12, 34, and 41.

**46. Economic Geology 3 hours**

A study of the general principles for the formation of mineral deposits, together with an application of these principles to the study of specific economic mineral deposits. Two lectures and one laboratory period.

Prerequisites: Geology 12, and 34.

**47-48. Seminar in Geology 2 hours**

Discussion of special problems.

Prerequisite: Senior standing.

**51. Honors Seminar in Geology 3 hours**

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**COURSES IN GERMAN**

**1-2. Introductory German 6 hours**

Exercises in pronunciation, essentials of grammar, and functional vocabulary. Intensive reading from graded texts.

**21-22. Intermediate German 6 hours**

Review of grammar. Practice in reading and writing. Required selections from modern works in the narrative, dramatic, and scientific styles.

**26. Scientific German 3 hours**

An intensive reading course for students majoring in science. This course may be substituted for German 22.

**35-36. German Literature 6 hours**

A survey of German literature. Reading assignments; oral and written reports.

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### 41-42. German Drama 6 hours

A study of the works of Goethe and Schiller as representative of the classical period, and the reading of modern dramatists from Kleist to Hauptmann.

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### COURSES IN GREEK

#### 1-2. Elements of New Testament Greek 6 hours

A study of the fundamentals of inflection and rules of syntax as found in the Greek of the New Testament.

#### 21. The Greek New Testament 3 hours

The course aims to impart a reading knowledge of the Greek New Testament through the reading of some selections from the Gospel of St. Luke and the *Acts of the Apostles*.

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### DEPARTMENT OF HISTORY

The Department of History attempts to explain events by their human causes and to discern in them where appropriate the influence of Providence and the play of man's free will, to develop the ability to judge critically, to lay the foundations for that general culture which requires the knowledge and background necessary for intelligent and useful citizenship.

Concentration in History prepares a student for teaching in secondary schools, for entrance into graduate or law school, and provides a broad cultural basis in a four-year liberal arts program.

A major sequence in History requires Social Science 1-2, History 23-24, and twenty-four semester hours on the upper level, including History 33 and 50. Students who plan to enter graduate school are advised to include in their programs at least twelve hours or the equivalent in a foreign language, preferably French or German.

A minor sequence in History requires twelve hours in upper-level courses.

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### COURSES IN HISTORY

#### 23-24. American Civilization, I-II 6 hours

A study of American civilization from its European origins until 1865 in the first semester; its development since 1865 until the present is considered in the second semester.

#### 32. Classical Civilization 3 hours

A study of the two centers of classical civilization, Athens (500 to 400 B.C.) and Rome (100 B.C. to 100 A.D.). Emphasis is placed on Athenian cultural attainments and on Roman political developments.

**Suggested Program of Courses for the B.A. Degree with History as Major Sequence**

**FRESHMAN YEAR**

		Semester	Hours	
English 3-4 -----	3	3		Rhetoric and Composition
Humanities 25, 27 -----	2	2		Music Art Forms; Art: History and Appreciation
Philosophy 12 -----		3		Logic
Religion 1 -----		3		Christian Morality
Social Science 1-2 -----	3	3		Development of Western Institutions
Science requirements -----		2		Chemistry 5; Geology 5; Physics 5 or Physics 7
Politics 21-22 -----	3	3		Introduction to Political Science; American Government
Speech 15 -----		2		Fundamentals of Speech
		— —		
		16	16	

**SOPHOMORE YEAR**

History 23-24 -----	3	3	American Civilization I-II
Humanities 23-24 -----	2	2	World Literature
Biology 5 -----	3		Principles of Biology
Mathematics 5 -----		3	General Mathematics
Philosophy 21 -----		3	Philosophy of Man
Religion 25, 26 -----	3	3	Dogma; Sacraments
Electives -----	3	3	French or German; or, Economics 21-22
Science requirements -----	2		Chemistry 5 or Geology 5 or Physics 5 or 7
		— —	
		16	17

**JUNIOR YEAR**

History 33, 32 -----	3	3	Middle Ages: Classical Civilization
History 50 -----		3	Pro-Seminar
History 31, 36 -----	(3)	(3)	American Colonies; American Frontier
History 49, 44 -----	(3)	(3)	World Since 1914; Russia
Minor Sequence -----	3	3	
Philosophy 31 -----		3	Metaphysics
Elective -----	3	3	French or German
		— —	
		(15)	(18)

**SENIOR YEAR**

History 47, 48 -----	3	3	Early Modern Europe; 19th Century Europe
History 45-46 -----	(2)	(2)	Constitutional History
History 39, 38 -----	(3)	(3)	Civil War; Recent U. S. History
History 51 -----		3	Honors Seminar
Minor Sequence -----	3	3	
Philosophy, upper level -----		3	History of Philosophy (recommended)
Religion, upper level -----	3		
Electives -----	5	2	
		— —	
		17(16)	17(16)

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31. **The American Colonies and the Early Republic** 3 hours  
An investigation of the early foundations of American civilization in the colonial and early national period to 1824.

33. **History of the Middle Ages** 3 hours  
The development of Europe from the disintegration of the Roman Empire in the West to the Renaissance. The Church, feudalism, the manorial system, and town life are among the major topics treated. Stress is placed upon the social and economic life in the period.

36. **History of the American Frontier** 3 hours  
The influence of the West on American political, economic, and social life from colonial beginnings to 1890, with special reference to the public lands, internal improvements, sectionalism, and territorial expansion.

38. **Recent American History** 3 hours  
The most recent era in the growth of the American people is studied in its world setting.

39. **Civil War and Reconstruction** 3 hours  
A study of the slavery question, the disruption of the party system, the war between the states, and the issues and problems of reconstruction.

41. **History of England to 1603** 3 hours  
The constitutional and social growth of the English people from the beginnings to the Stuart age. (Offered in 1960-61.)

42. **History of England since 1603** 3 hours  
The constitutional, imperial, and social growth of the English people from Stuart times to the present. (Offered in 1960-61.)

44. **History of Modern Russia** 3 hours  
The origins and development of the revolutionary movements and the basic factors in Russian and Soviet foreign policy from the eighteenth century to the present time.

45. **Constitutional History of the United States to 1865** 2 hours  
A consideration of judicial interpretations affecting the formation of a Federal Union.

46. **Constitutional History of the United States since 1865** 2 hours  
Attention is drawn to the judicial solutions of problems arising under a more centralized form of government.

47. **Early Modern Europe, 1500-1789** 3 hours  
A study of the Renaissance, the Reformation, and the Catholic Counter-Reformation; the age of the Baroque and the 18th Century.

48. **Europe in the Nineteenth Century, 1789-1914** 3 hours  
Nineteenth century Europe, with emphasis on the French Revolution and its influence, liberalism, nationalism, materialism, and the origins of the first World War.

## HUMANITIES 105

49. The World Since 1914	3 hours
A study of warfare, totalitarianism, dictatorships, and "collective security" in our own times.	
50. Pro-seminar in History	3 hours
An introduction, by means of directed reading and individual projects, to the methods of historical research, historiography, and the philosophy of history.	
51. Honors Seminar in History	3 hours

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## HUMANITIES COURSES

All students must, for graduation, show eight semester hours in the following courses.

23-24. World Literature	4 hours
Great classics—ancient, medieval, and modern—are read in translation, with attention to the continuity of broad literary trends, to the interrelation of literatures, and to such artistic values as are preserved in translation.	
25. Music Art Forms	2 hours
The aim of this course is to lay the foundation for an intelligent appreciation of music and of its relation to human experience. The nature of music, its forms, and its development are studied, with some attention to the great composers in various periods. Listening to records and specified radio programs and attendance at local concerts are integrated with the course.	
27. Art: History and Appreciation	2 hours
A course designed to furnish the student with a background for an understanding of the arts and to broaden his judgment in regard to what constitutes beauty and good taste. A brief survey of painting, sculpture, architecture, and the minor arts of all periods.	

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## DEPARTMENT OF JOURNALISM

The aims of the Department are: 1. To prepare the student for professional work in journalism or for graduate study in the field. 2. To make him aware of the opportunities and responsibilities of the journalist in the field of mass communications.

The group-major in English-journalism comprises a minimum of thirty semester hours in upper-level courses so distributed that each department is represented by at least twelve. Six hours in a foreign language are required.

For a minor sequence in journalism, the student must show twelve semester hours credit in upper-level courses.

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**Suggested Program for Group Major in English Journalism**

**FRESHMAN YEAR**

		Semester	Hours	
English 3-4 -----	3	3		Rhetoric and Composition
Journalism 1 -----	3			Introduction to Journalism
Humanities 27, 25 -----	2	2		Art: History and Appreciation; Music Art Forms
Biology 5 -----	3			Principles of Biology
Philosophy 12 -----	3			Logic
Religion 1 -----	3			Christian Morality
Social Science 1-2 -----	3	3		Development of Western Institutions
Electives -----	3	3		Foreign Language
	—	—		
		17	17	

**SOPHOMORE YEAR**

Humanities 23-24 -----	2	2	World Literature
Journalism 31 -----	3		News Writing and Reporting
Mathematics 5 -----	3		General Mathematics
Philosophy 21 -----	3		Philosophy of Man
Religion 25, 26 -----	3	3	Dogma; Sacraments
Speech 15, 16 -----	2	2	Fundamentals of Speech; Voice and Articulation
Economics 21-22 -----	3	3	Principles of Economics
Science Requirement -----	2		Chemistry 5; or Geology 5; or Physics 5; or Physics 7
	—	—	
	16	15	

**JUNIOR YEAR**

English, Elective -----	3	6	Elect from English 31-32; 35-36; 45-46
History 39; 36 or 38 -----	3	3	Civil War and Reconstruction; History of the American Frontier; or Recent American History
Journalism 41; 32 or 34 -----	3	3	Editorial Persuasion; Editing or Maga- zine Writing
Journalism 44 or 46 -----	3		Newspaper Management and Advertis- ing, or Ethics of Journalism
Philosophy 31 -----	3		Metaphysics
Politics 21, 22 -----	3	3	Introduction to Politics; American Government
Science Requirements -----	2		Chemistry 5, or Geology 5 ,or Physics 5, or Physics 7
	—	—	
	17	18	

**SENIOR YEAR**

English Elective -----	6	3	Elect from 31-32; 35-36; 45-46
Journalism 32 or 34 -----	3		Editing, or Magazine Writing
Journalism 44 or 46 -----	3		Newspaper Management and Advertis- ing; or Ethics of Journalism
Journalism 51 -----	3		Honors Seminar
Philosophy, upper level -----	3		Political Parties; Comparative Govern- ment
Politics 33; 34 -----	3	3	
Religion, upper level -----	3		
Electives -----	2	2	
	—	—	
	17	17	

## COURSES IN JOURNALISM

## 1. Introduction to Journalism 3 hours

A basic course which precedes upper-level work. It emphasizes the underlying principles, practices and problems of modern journalism.

## 31. News Reporting 3 hours

A practical course stressing news values, news sources, accurate gathering of news materials, structure and style of news stories, and interviews. Particular emphasis is placed upon the achievement of meaning through writing.

## 32. Editing 3 hours

Study and practice in copyreading, rewriting, headline writing, proofreading, page makeup, and type and printing methods. Particular emphasis is placed upon the achievement of meaning through editing.

## 34. Magazine Writing 3 hours

A practical course in the techniques of article writing and their application to the various types of non-fiction stories and special articles. The problem of popularization is also considered.

## 41. Editorial Persuasion. 3 hours

Analysis of the means of persuasion as outlined in Aristotle's *Rhetoric*: good character in the writer and proper appeal to the reader's intellect and emotion. Practical use of Aristotle's principles of persuasion by the editorial writer.

## 44. Newspaper Management and Advertising 3 hours

A study of the business side of newspaper production and current trends. Consideration of the various departments: administration, accounting, circulation, promotion, and advertising. (Offered in 1960-61.)

## 46. Ethics of Journalism 3 hours

An application of ethics to the press in the light of current problems and professional codes; a study of the laws, such as those of libel and copyright, which affect the relationship between the press and society. (Offered in 1959-60.)

## 51. Honors Seminar in Journalism 3 hours

## COURSES IN LATIN

## 1-2. Introductory Latin 6 hours

A course designed for students who have not taken Latin in high school; it covers in one year the matter usually taken in two years of high school Latin.

## 3-4. Intermediate Latin 6 hours

A course designed for students who present two years of Latin

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from high school. The Catilinian Orations and selections from Vergil's *Aeneid* form the subject matter of the course.

5. Cicero	3 hours
Selections from the <i>De Amicitia</i> , <i>De Senectute</i> , <i>Pro Archia</i> , and from the Letters of Cicero.	
Prerequisite: Latin 3-4 or equivalent.	
6. Horace	3 hours
Selected odes, epodes, satires, and the <i>Ars Poetica</i> .	
7-8. Latin Composition I	2 hours
Graded exercises for translating from English to Latin. This course is complementary to Latin 5 and 6.	
15. Readings in Ecclesiastical Latin	3 hours
Extensive reading in the <i>Catechismus Catholicus</i> of Cardinal Gasparri is used as the means of developing fluency and comprehension.	
21. Livy	3 hours
Roman History: selections from Books 21, 22, 24, and 25.	
22. Latin Hymns and Ecclesiastical Writers	3 hours
A study of selected hymns from the Roman Breviary and of texts commonly used in the major seminary.	
25-26. Latin Composition II	2 hours
A continuation of Latin 7-8.	

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## DEPARTMENT OF MATHEMATICS

The departmental courses in mathematics are designed to help the student attain: 1. An understanding and appreciation of the fundamental methods of deductive reasoning. 2. Certification for teaching mathematics in secondary schools. 3. Adequate preparation for work in graduate or professional schools. 4. Facility in using the tools of mathematics, particularly in the natural sciences and in business.

The minimum requirement for a major in mathematics is twenty-four semester hours in upper-level courses including Mathematics 31, 33, 34, and 41. For a minor sequence nine semester hours in upper-level courses are required including Mathematics 33 and 41.

## COURSES IN MATHEMATICS

5. Algebraic Structure and the Number System.	3 hours
This course is designed for students who otherwise are not required to go on in Mathematics. It has as its aim to provide such students with an insight into the inner workings of mathematics rather than superficial manipulations, to instill in them an interest in this science, to increase their ability to think regorously and to set	

up a solid foundation of mathematical concepts upon which they can build. Content: development of the number system, its operations and algebraic properties; role of functions; conditional equations and identities; exponents, radicals and logarithms; and comparative algebras, e.g. algebra of sets.

**9. Mechanical Drawing** 3 hours

This course deals with the fundamentals of drafting procedure including the care and use of drafting instruments, drawing-board geometry, orthographic projection, technical sketching and perspective drawing. Three two-hour periods each week.

**10. Descriptive Geometry** 3 hours

This course deals with the orthographic representation of points, lines, and planes and their fundamental geometric relations. Geometric problems are solved on the basis of orthographic projection. Three two-hour periods each week.

Prerequisite: Mathematics 9.

**14. Plane Analytical Geometry\*** 3 hours

A course coordinating geometry, algebra, and trigonometry, thus preparing the student for the calculus. The course covers the study of coordinates, including the plotting of equations of various forms, the study of the straight line, the conic sections, and the general equation of the second degree.

**21-22. Differential and Integral Calculus\*\*** 6 hours

The purpose of this course is to develop the principles and methods of the calculus hand in hand with their application to the solution of practical problems in natural science and business. The course embraces constants, variables, functions, derivatives, differentials, integrals, curvature, theorem of mean value, constant of integration, definite integral, formal integration, reduction, formulas, applications to centroids, fluid pressure, work and moments of area.

Prerequisites: Mathematics 1, 3, and 4.

**11.1, 11.2, 12.1, 12.2 College Mathematics** 12 hours

A comprehensive one-year course of college mathematics for students who require it for their special fields—including geology, business, education, sociology, and pre-medical courses, as well as physics, mathematics, chemistry and engineering. The courses provides utilitarian mathematics, plus a broad coverage of philosophy of mathematics and of advanced courses dealing with mathematics as a cultural entity. The content of this one year course follows:

**11.1 Fundamental Mathematics and Algebra** 3 hours

Development of the number system, its operations and algebraic properties, functions, equations, identities, exponents, radicals,

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\* Not offered after January, 1960

\*\* Not offered after June, 1960.

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### Suggested Program of Courses for the A.B. or B.S. Degree with Mathematics as Major and Physics as Minor Sequence\*\*

#### FRESHMAN YEAR

		Semester	Hours	
English 3-4 -----	3	3	Rhetoric and Composition	
Mathematics 11.1-12.2 -----	6	6	College Mathematics	
Philosophy 12 -----	3		Logic	
Religion 1 -----	3		Christian Morality	
Humanities 27, 25 -----	2	2	Art: History and Appreciation; Music Art Forms	
Social Science 1-2 -----	3	3	Development of Western Institutions	
	—	—		
	17	17		

#### SOPHOMORE YEAR

Humanities 23-24 -----	2	2	World Literature	
Mathematics 31-32 -----	3	3	Calculus II; Advanced Calculus	
Philosophy 21 -----	3		Philosophy of Man	
Physics 23-24 -----	5	5	Engineering Physics	
Religion 25, 26 -----	3	3	Dogma; Sacraments	
Speech 15 -----	2		Fundamentals of Speech	
	—	—		
	15	16		

#### JUNIOR YEAR

Mathematics 31, 32 or 33, 34 -----	3	3	Calculus III, Adv. Calculus; College Geometry, Differential Equations	
Mathematics 37, 36 -----	3	3	Solid Analytics; Theory of Numbers	
Mathematics 41 -----	3		Theory of Equations	
Mathematics 43 or 44 -----	3		History of Mathematics; Determinants and Matrices	
Philosophy 31 -----	3		Metaphysics	
Physics 31 -----	3		Electric & Magnetic Circuits	
Physics 41-42 or 45-46 -----	3	3	Modern Physics; Electronics	
Electives -----	2	2		
	—	—		
	17	17		

#### SENIOR YEAR

Mathematics 31, 32 or 33, 34 -----	3	3	Calculus III, Adv. Calculus; College Geometry, Differential Equations	
Mathematics 37, 36 -----	3		Solid Analytics; Theory of Numbers	
Mathematics 43 or 44 -----	3		History of Mathematics; Determinants and Matrices	
Mathematics 51 -----	3		Honors Seminar	
Philosophy, upper level -----	3			
Physics 41-42 or 45-46 -----	3	3	Modern Physics; Electronics	
Religion, upper level -----	3			
Elective -----	3			
	—	—		
	12	18		

\*\* Students who plan to complete the requirements for the mathematics-physics group major are advised to substitute three hours in physics for Advanced Calculus, (Mathematics 32).

logarithms, rational numbers and fields, real and complex numbers. Offered during the first eight weeks of the first semester.

**11.2 Trigonometry and Analytical Geometry 3 hours**

Introduction to probability and statistics; trigonometric functions, derivation of standard formulas, trigonometric identities, solution of triangles; coordinate systems, graphing, straight line, conic sections, and the general equation of the second degree. Offered during the second eight weeks of the first semester.

**12.1. Calculus I**

Limits, derivatives, differentials, integrals of algebraic forms, constant of integration and definite integral. Offered during the first eight weeks of the second semester.

**12.2. Calculus II 3 hours**

Derivatives, differentials, and integrals of transcendentals with applications to parametric equations and polar equations; curvature, Theorem of Mean Value, reduction formulas; introduction to set theory and to number theory. Offered during the second eight weeks of the second semester.

Mathematics 11.1, 11.2, 12.1, 12.2 are pre-requisites for all upper level courses except Mathematics 33. Mathematics 11.1 and 11.2 are pre-requisite for Mathematics 12.1 and 12.2.

**31. Calculus III 3 hours**

An extension of Mathematics 11.1-12.2 leading to a consideration of the following: series, expansion of functions, ordinary differential equations, hyperbolic functions, partial differentiation and applications, and multiple integrals.

Prerequisites: Mathematics 11.1-12.2.

**32. Advanced Calculus 3 hours**

This course is intended for those students who to some extent have mastered the manipulative skills of the differential and integral calculus. It introduces the student to theoretical questions which may lead him to further study. It includes more rigorous treatment of series, partial differentiation, implicit functions, differential equations, and definite integrals; also an introduction to beta and gamma functions.

Prerequisites: Mathematics 11.1-12.2 and 31.

**33. College Geometry 3 hours**

The purpose of this course is to introduce the student to a wide and extensive body of synthetic geometry. It concerns the geometry of the triangle and the circle and requires only the known Euclidian concepts. College geometry is recommended to prospective teachers in secondary schools.

**34. Differential Equations 3 hours**

This course presents differential equations from a practical viewpoint, combining the formal exercises of integrating the various

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standard types of differential equations with the setting-up of equations from problems of natural science.

Prerequisites: Mathematics 11.1-12.2, and preferably 31.

### 36. Solid Analytical Geometry 3 hours

This course is devoted to the coordinate geometry of curves and surfaces in three-dimensional space, particularly of the plane, the straight line, and the quadratic surface. It also serves to introduce methods and principles which have an important part in the various fields of advanced mathematics. (Offered in 1959-60.)

Prerequisite: Mathematics 11.1-12.2.

### 37. Theory of Numbers 3 hours

This course treats the elementary properties of integers, the definition and properties of divisibility, Euclid's Algorithm, Diophantine equations, prime numbers, aliquot parts, congruences, and quadratic residues. (Offered in 1960-61.)

Prerequisite: Mathematics 11.1-12.2.

### 41. Theory of Equations 3 hours

In this course students are guided through the proofs of the important general theorems in the elementary theory of algebraic equations. The methods of deductive reasoning are used abundantly, imparting to the student a realization of the need of clarity, exactness, and logical discourse. The concepts of ring and field are introduced, and with these as a basis, complex numbers, polynomials and their roots, resultants, discriminants, and symmetric functions are treated.

Prerequisite: Mathematics 11.1-12.2.

### 42. History of Mathematics 2 hours

History of the development of the various fields of mathematics from the earliest times to the present day. Open only to students majoring in mathematics. (Offered in 1960-61.)

### 44. Determinants and Matrices 3 hours

An introduction to the theory of vector spaces; matrices, their types and properties and the elementary applications of these concepts. (Offered in 1959-60.)

Prerequisite: Mathematics 11.1-12.2.

### 51. Honors Seminar in Mathematics 3 hours

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## DEPARTMENT OF MUSIC

The Department aims to further the intellectual and artistic development of the Student through the medium of music theory and practice. In addition to the courses in musical theory, instruction in applied music is available in voice, piano, organ, and all band and orchestral instruments.

## COURSES IN MUSICAL THEORY

## 3. Sight Singing 2 hours

A course designed to train the student in identifying intervals, chords and melodies.

## 4. Basic Theory 2 hours

An introductory course in musical theory, covering musical notation, scales, intervals and triads. One semester course, duration of class 1½ hour.

## 23-24. Harmony 4 hours

A study of relationship of chords and their progressions. Also a complete study of cadences, transitions, modulations and altered chords.

## 33-34. Counterpoint I and II 4 hours

Strict and Free Counterpoint—four species; two and three voice counterpoint.

## 35-36. Orchestration 4 hours

A study of the characteristics of the instruments; scoring of compositions for band and orchestra.

## 43-44. Composition 4 hours

Original composition.

Prerequisite: Music 33-34.

## COURSES IN APPLIED MUSIC

Private instruction in the following fields of applied music are offered: a) voice b) piano c) organ d) violin or other string instruments e) wind instruments f) percussion instruments g) band.

## 1-2. Preliminary Course without credit

## 3-4. Preliminary Course without credit

The above courses are intended for beginner students.

## 21-22. Voice or Instrument 2 hours

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25-26. Voice or Instrument	2 hours
A continuation of Applied Music 11-12	
31-32. Voice or Instrument	2 hours
A continuation of Applied Music 21-22	
41-42. Voice or Instrument	2 hours
A continuation of Applied Music 31-32	

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## NATURAL SCIENCE COURSES

30. Conservation of Natural Resources	3 hours
This course deals with the following natural resources and their conservation: land, water, forests, animal, mineral and human.	

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## DEPARTMENT OF PHILOSOPHY

The Department of Philosophy offers both a major and a minor sequence. A major sequence consists of a minimum of twenty-four semester hours on the upper level and must include courses 31,32, 33, 38, and six hours from 41, 42, 43, and 44. A minor sequence consists of a minimum of twelve semester hours on the upper level.

Six semester hours of philosophy on the lower level and six are obligatory. Philosophy 31 is prerequisite for all upper level courses.

## COURSES IN PHILOSOPHY

12. Logic	3 hours
This course aims to develop the sense of correct thinking by a study of concepts and terms, judgments and propositions, immediate inference, deduction, scientific method, and the sources of fallacies.	

21. Philosophy of Man	3 hours
The Thomistic study of man's composite nature, of the principles of sensory and intellectual knowledge and desire, and of the spirituality, origin, and immortality of the soul, with an emphasis on the unity of the human person.	

**Suggested Program of Courses for the A.B. Degree with  
Philosophy as Major Sequence\*\***

**FRESHMAN YEAR**

	Semester	Hours	
Humanities 23-24 -----	2	2	World Literature
English 3-4 -----	3	3	Rhetoric and Composition
Biology 5 -----	3		Principles of Biology
Philosophy 12 -----	3		Logic
Religion 1 -----	3		Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 15 -----	2		Fundamentals of Speech
Electives -----	3	3	Foreign Language
	— —		
	17	16	

**SOPHOMORE YEAR**

Humanities 25, 27 -----	2	2	Music Art Forms; Art: History and Appreciation
Mathematics 5 -----	3		General Mathematics
Philosophy 21, 31 -----	3	3	Philosophy of Man; Metaphysics
Religion 25-26 -----	3	3	Dogma; Sacraments
Social Science -----	3		(Elective)
Science requirements -----	2	2	Chemistry 5; Geology 5; Physics 5; or Physics 7
Electives -----	3	3	Foreign Language
	— —		
	16	16	

**JUNIOR YEAR**

Philosophy 33, 46 or 38, 32 -----	3	3	Cosmology; Philosophy of Science; or Epistemology; Natural Theology
Philosophy 36 -----	3		Ethics
Philosophy 41, 42 or 43, 44 -----	3	3	History of Philosophy
Religion, upper-level -----	3		Apologetics
Speech 31-32 -----	2	2	Discussion and Debate
Minor Sequence -----	3	3	
Electives -----	2	2	
	— —		
	16	16	

**SENIOR YEAR**

Philosophy 33, 46 or 38, 32 -----	3	3	Cosmology; Philosophy of Science; or Epistemology; Natural Theology
Philosophy 41, 42 or 43, 44 -----	3	3	History of Philosophy
Philosophy 51 -----	3		Honors Seminar
Minor Sequence -----	3	3	
Electives -----	4	7	
	— —		
	16	16	

\*\* Programs for designated majors should be viewed as suggested patterns and not as rigid schedules. By the end of his sophomore year, the student should select a field of concentration and with the guidance of his faculty counselor plan his course of studies for the junior and senior years.

**116 SAINT JOSEPH'S COLLEGE****31. Metaphysics** **3 hours**

The study of being in its most fundamental aspects. This branch of systematic philosophy deals with the Thomistic concepts of act and potency, the nature of causality, transcendentals, and predicaments, in order to furnish the student with the broad and basic ideas essential to the synthetic grasp of reality.

**32. Natural Theology** **3 hours**

The study of the proofs of the existence of God in their historic background together with the modern criticism. The doctrine of analogy receives special emphasis. (Offered in 1960-61.)

**33. Cosmology** **3 hours**

This course integrates present-day scientific discovery with the basic Thomistic principles. The problem of finality, the laws of nature, and space and time are studied in the light of traditional principles. (Offered in 1959-1960.)

**36. Ethics** **3 hours**

A study of the end of man, human acts, and the relation of human acts to that end. Particular stress is laid on the principles of right reason in the light of Thomistic Psychology and Metaphysics. Special attention is given to the study of the Natural Law and the virtues as they affect the life of man both as an individual and as a member of society.

**38. Epistemology** **3 hours**

A study of knowledge in its metaphysical implications. A consideration of being as intelligible, and of intellect as related to reality. This course consists principally in reflections upon the nature of knowledge, critical judgments concerning the sources of knowledge, and an ultimate evaluation of knowledge.

**41. History of Ancient Philosophy** **3 hours**

A course in early philosophy, especially of the Greek thinkers. The progress of philosophic thought is presented by means of sources studied in their background, class discussions, and written reviews. (Offered in 1959-60.)

**42. History of Medieval Philosophy 3 hours**

The study of philosophic thought from the patristic age to the scholastic decline. Scholasticism is examined in the light of the present-day need for a perennial philosophy. (Offered in 1959-60.)

**43. History of Modern Philosophy 3 hours**

A study of modern thinkers against the background of the Renaissance, the Reformation and the rise of science. Special attention is given to the impact upon the contemporary world of such men as Descartes, Spinoza, Leibniz, Bacon, Newton, Locke, Hume, Rousseau, Kant, Hegel, Mill, and Spencer. (Offered in 1958-59.)

**44. Contemporary Philosophy 3 hours**

A critical evaluation of Bergson and the philosophy of the spirit, Husserl and the phenomenological method, Neo-positivism, the Analytical Philosophers, Dialectical Materialism, Pragmatism, the Metaphysical Renaissance, and Existentialism. (Offered in 1958-59.)

**46. Philosophy of Science 3 hours**

For the more advanced student of both philosophy and science this course seeks solid foundations for scientific coordination in the basic principles of Thomism. Extensive readings in the history of science and of philosophy are required.

Prerequisite: Philosophy 33.

**51. Honors Seminar in Philosophy 3 hours**

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**DEPARTMENT OF PHYSICAL EDUCATION**

The Department of Physical Education is designed to offer the student a knowledge of physical education in its theoretical and practical phases. Courses in the history and principles of physical education present the background upon which the profession developed and the standards which must be maintained. Other courses are offered to acquaint the student with the professional skills, techniques, and competencies that will be needed in the exercise of teaching and/or coaching duties.

Physical education majors are prepared to enter the coaching field, the teaching of health and physical education or to work in recreational activities and centers.

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A major sequence in physical education requires twenty-four semester hours on the upper level, including Physical Education 34 and either Physical Education 35 or Education 37, and Speech 31. A minor sequence requires twelve semester hours in upper level courses.

Students who plan to qualify for the teacher's certificate in Health, and Physical Education should consult the Director of Student Teaching.

### COURSES IN PHYSICAL EDUCATION

#### 16. First Aid and Safety Education

2 hours

A consideration of the essential elements in the theory and practice of safety in the school, in the home, in occupational activities and on the highway. Instruction in the administration of first aid and civil defense.

#### 30. Public Recreation and Camp Activities

3 hours

Theory and practice of playground supervision and camp leadership. Techniques proper to arts and crafts, aquatics, outdoor recreational activities, nature study, and special programs are included. Observation of camp facilities and recreational programs.

#### 31. History and Principles of Physical Education

3 hours

A basic course presenting a critical evaluation of social, economic, and political forces associated with the development of physical education throughout its history, and secondly, introducing the student to the fundamental facts and principles associated with Motivation, Program, Instruction, Supervision, Administration, and Evaluation in the field of physical education.

#### 32. Coaching of Baseball and Track

2 hours

Theory and practice in batting, fielding, base running, and pitching. Principles of coaching and officiating in baseball, track, and field events. Two lectures and one laboratory period per week. (Offered in 1959-60.)

#### 33. Gymnastics and Rhythmic Exercises

2 hours

Elements of individual and natural gymnastics; corrective exercises, callisthenics, class drill, tumbling and apparatus; funda-

**Suggested Program of Courses for the B.S. Degree with  
Physical Education as Major Sequence**

**FRESHMAN YEAR**

	Semester	Hours	
Biology 13, 22 -----	4	4	Introductory Biology; Human Anatomy and Physiology
Humanities 27, 25 -----	2	2	Art: History and Appreciation; Music Art Forms
English 3-4 -----	3	3	Rhetoric and Composition
Philosophy 12 -----		3	Logic
Religion 1 -----		3	Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Speech 15 -----		2	Fundamentals of Speech
	—	—	
		17 15	

**SOPHOMORE YEAR**

Biology 25 -----	3	Personal and Community Health
Education 19, 30 -----	3	Principles of Secondary Education; Educational Psychology
Humanities 23-24 -----	2	World Literature
Mathematics 5 -----	3	General Mathematics
Philosophy 21 -----		Philosophy of Man
Physical Education 16 -----	2	First Aid and Safety
Religion 25, 26 -----	3	Dogma; Sacraments
Science Requirement -----	2	Chemistry 5; Geology 5; or Physics 5, Physics 7
Second Teaching Area -----	3	
	—	—
		16 18

**JUNIOR YEAR**

Education 32 -----	3	General Methods
Educaiton 39, 49 PE -----	4	Counseling; Special Methods
Physical Education 31, 30 -----	3	History and Principles; Public Recreation and Camp Activities
Physical Education 33, 32 -----	2	Gymnastics; Baseball and Track
Physical Education 35 or Education 37, 34 -----	3	Measurements in Physical Education; or Educational Tests and Measurements; Kinesiology
Philosophy 31 -----	3	Metaphysics
Second Teaching Area -----	3	
	—	—
		18 17

**SENIOR YEAR**

Education 46 -----	5	Student Teaching: High School
Physical Education 41, 36 -----	2	Activities for Elementary Grades; Minor Sports
Physical Education 43, 44 -----	3	Coaching Football; H.S. Athletics
Physical Education 45, 46 -----	2	Adm. Health and Physical Education; P. Ed. & Intramural
Physical Education 48 -----	3	Coaching Basketball
Philosophy, upper level -----	3	
Religion, upper level -----	3	
Second Teaching Area -----	3	
	—	—
		19 18

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mentals of rhythm as applied to games, plays, and songs. Two lectures and one laboratory period per week.

**34. Kinesiology 3 hours**

A study of the origin, insertion, and action of the muscles in the human body as they relate to skeletal movement in sport skills. This course is designed for physical education students.

**35. Measurements in Health and Physical Education 3 hours**

A course in measurement and evaluation as applied to health, physical growth, athletic ability and achievement. The aim of the course is to provide the prospective teacher with the means of estimating physical fitness and evaluating changes in knowledge, skills, and attitudes as a result of instruction.

**36. Techniques of Minor Sports 2 hours**

An analysis of such sports as handball, volleyball, softball, tennis, badminton, ping pong, and bowling. Attention is given to selection and care of equipment. Principles of selection and evaluation of teaching methods are developed. (Offered in 1959-60.)

**38. Principles and Techniques of Physical Therapy 2 hours**

This course is designed to study the various special fields of physical rehabilitation with special emphasis upon the use of such agents as exercise, massage, heat, water, electricity and various forms of radiation. The course emphasizes the correct use of personal and field equipment, support procedures and therapeutic aids. Laboratory work includes practical techniques in the clinical use of supporting apparatus physiotherapy. Two lectures; one laboratory period per week.

**41. Activities for Elementary Grades 2 hours**

An analysis of dramatic play, games, rhythms, self-testing activities, playground procedures, and safety measures used in a modern program in the area. Principles of selection and evaluation of activities and teaching methods are developed.

**43. Coaching of Football 3 hours**

Theory and practice of the fundamentals of football. A study of the history, rules, strategy, styles of attack and defense, organization of practice, individual and team conditioning, officiating and

## PHYSICAL EDUCATION 121

other coaching problems involved in this sport. Three lectures and one laboratory period per week. (Offered in 1959-60.)

### 44. Administration of High School Athletics 2 hours

A detailed study of the rules of the National Federation of State High School Associations as well as a thorough study of State Athletic Associations with emphasis upon eligibility rules and decisions in the State of Indiana. Included in the course are such topics as the purchase and care of athletic equipment, standards for athletic facilities, finances and budgets as related to high school athletic program. (Offered in 1960-61.)

Prerequisite: Physical Education 31.

### 45. Organization and Administration of Health Education 3 hours

The principles, materials and problems of health education. Relation of the school health program to other health agencies. Instruction in the proper use of federal, state, and commercial publications and aids to health education. Examinations, reports, and remedial measures. State health regulations.

### 46. The Organization and Administration of Physical Education and Intramural Sports 3 hours

Consideration is given to the grouping of students, records of participation and progress, management of gymnasium and playground, finance and public relations. A study of the units of competition, time schedules, methods of organizing participation, scoring plans, rules and regulations for individuals and groups.

### 48. Coaching of Basketball 3 hours

Theory and practice of the fundamentals of basketball. A study of the history, rules, strategy, styles of play, organization of practice, individual and team conditioning, officiating and other coaching problems connected with this sport. Three lectures and one laboratory period per week. (Offered in 1960-61.)

### 51. Honors Seminar in Physical Education 3 hours

## 122 SAINT JOSEPH'S COLLEGE

### DEPARTMENT OF PHYSICS

The courses in the Department of Physics are designed: 1. To impart an understanding of basic principles and through classroom discussion and supervised laboratory work to inculcate the habit of precise observation of phenomena. 2. To prepare the student for the teaching of physics in secondary schools.

For a minor sequence in physics twelve semester hours in upper-level courses are required, including Physics 31 and 41 or 42. Physics 21-22 is prerequisite for upper-level courses.

Laboratory fees: Physics 21, 22, 23, and 24, each \$5.00. Physics 31, 45, and 46, each \$7.50.

### COURSES IN PHYSICS

#### 5. Principles of Physics 2 hours

This course is intended for non-Science majors. Basic principles of physics to be discussed are included from the fields of mechanics, heat, electricity and optics. The underlying theme is energy and the treatment is descriptive rather than mathematical, although the latter is not entirely excluded.

#### 7. Introductory Astronomy 2 hours

This course is intended for non-Science majors. The subject matter includes the Universal Law of Gravitation and Orbital Motion as exemplified in our solar system and in artificial satellites. It also includes the various astronomical instruments and their use in the study of the stars and galaxies.

#### 21-22. College Physics 8 hours

A course introducing the student to the fundamental principles of mechanics, heat, sound, light, and electricity. Three lectures and one three-hour laboratory period each week.

Prerequisites: Mathematics 11.1-11.2.

#### 23-24. Engineering Physics 10 hours

Lectures, recitations, problems and laboratory work dealing with the fundamental laws of mechanics, heat measurements, sound waves, electric and magnetic phenomena, geometric and physical optics and a brief survey of modern physics. Required course for pre-engineering students. Four lectures and one three-hour laboratory period each week through two semesters.

Prerequisites: Mathematics 11.1-12.2.

**31. Electric and Magnetic Circuits 3 hours**

Measurements of resistance, electromotive force, potentials, current, self and mutual induction, magnetic fields, Ohm's law, Kirchhoff's law, networks, bridges, ballistic galvanometer. Two lectures and one three-hour laboratory period each week.

Prerequisites: Physics 23-24.

**41-42. Modern Physics 6 hours**

A two semester course in general physics with emphasis on recent developments, wave motion, electromagnetic radiation, kinetic theory of gases, specific heats and heat of radiation, photoelectric effect, x-rays, Bohr theory of spectra, quantum mechanics, nuclear physics, cosmic rays, and relativity. Three lectures each week.

Prerequisites: Physics 21-22 and Mathematics 11.1-12.2.

**43. Statics 3 hours**

This course treats the fundamental principles of statics: forces, moments of force, couples, systems of force, addition and subtraction of forces, equilibrium of systems, stresses and strains, moments of inertia. Three lectures each week.

Prerequisites: Physics 23-24.

**44. Dynamics 3 hours**

A lecture course dealing with rectilinear and curvilinear translation, rotation, plane motion, motion of particle and system of particles, force, mass and acceleration, work and energy, impulse and momentum and periodic motion.

Prerequisites: Physics 23-24.

**45. Electronics I 3 hours**

A study of basic principles of the vacuum tube: electron theory, thermionic emission, diode, triode, multiple electric tube and its static and dynamic characteristics, and the function of the vacuum tube. Two lectures and one three-hour laboratory period each week.

Prerequisite: Physics 21-22.

**46. Electronics II 3 hours**

A study of electronic circuits: voltage and power amplifiers, oscillators, modulators, transmitters and receivers, electric measuring instruments, cathode-ray tube, and photoelectric devices. Two lectures and one three-hour laboratory period each week.

Prerequisite: Physics 45.

**51. Honors Seminar in Physics 3 hours**

## 124 SAINT JOSEPH'S COLLEGE

### DEPARTMENT OF POLITICAL SCIENCE

The Political Science program provides the student with an opportunity to gain an understanding of the role of government in modern society. An acquaintance with basic problems posed both by and for modern government is indispensable to a liberal arts education and is prerequisite for responsible professional and civic judgment today.

Political Science is a tried preparation for law, journalism and practical political participation. At the graduate level it is also a recognized profession for government career administration or research and high school or college teaching.

Economics 21-22 (Principles of Economics) is a graduation requirement for majors in Political Science. (Seniors of 1962.)

The Political Science major requires 24 hours of upper-level courses. The following are required for 1962 seniors: Political Science 35, 41, and 42.

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### COURSES IN POLITICAL SCIENCE

**21. Introduction to Political Science 3 hours**

The student is introduced to the basic concepts of Political Science with emphasis on their ethical aspect.

**22. American Government 3 hours**

A study of U.S., state and local government structures, functions and current problems.

**33. Political Parties and Pressure Groups 3 hours**

The democratic process in the U.S. is studied as a function of the two major parties and the major economic and social pressure groups.

**34. Comparative Government 3 hours**

The constitutional forms and methods utilized by four major foreign powers—Great Britain, Germany, France and the U.S.S.R. Their elements of strength and weakness are compared with the U.S. system.

**35. Introduction to Constitutional Law 3 hours**

An analysis of fundamental U.S. Supreme Court decisions affording the student, particularly the prospective law student, a first-hand experience in reading law.

## POLITICAL SCIENCE 125

### Suggested Program of Courses for the B.A. Degree with Political Science as a Major Sequence

#### FRESHMAN YEAR

Semester  
Hours

English 3-4 -----	3	3	Rhetoric and Composition
Humanities 25, 27 -----	2	2	Music Art Forms; Art: History and Appreciation
Philosophy 12 -----		3	Logic
Religion 1 -----		3	Christian Morality
Social Science 1-2 -----	3	3	Development of Western Institutions
Science requirements -----		2	Chemistry 5; Geology 5; or Physics 5; Physics 7
Politics 21-22 -----	3	3	Introduction to Political Science; Amer- ican Government
Speech 15 -----		2	
		— —	Fundamentals of Speech
		16 16	

#### SOPHOMORE YEAR

Economics 21-22 -----	3	3	Principles of Economics
History 23-24 -----	3	3	American Civilization I-II
Humanities 23-24 -----	2	2	World Literature
Biology 5 -----		3	Principles of Biology
Mathematics 5 -----		3	General Mathematics
Philosophy 21 -----	3	3	Philosophy of Man
Religion 25, 26 -----	3	3	Dogma; Sacraments
Science Requirements -----		2	Chemistry 5 or Geology 5 or Physics 5 or Physics 7
		— —	
		17 15	

#### JUNIOR YEAR

Political Science 33, 34 -----	3	3	Political Parties; Comparative Govern- ment
Political Science 37, 44 -----		6	Government and Business; International Relations
Philosophy 31 -----	3		Metaphysics
Minor Sequence -----	3	3	
Electives -----	6	3	
		— —	
		15 15	

#### SENIOR YEAR

Political Science 41-42 -----	3	3	Ancient and Medieval Political Philoso- phy; Modern Political Philosophy
Political Science 35, 39 -----	6		Introduction to Constitutional Law; Public Administration
Philosophy, upper level -----	3		
Religion, upper level -----		3	
Minor Sequence -----	3	3	
Electives -----	2	5	
		— —	
		17 17	

**126 SAINT JOSEPH'S COLLEGE****37. Government and Business** 3 hours

A study of the foundations of governmental intervention in business and the activities in which it currently engages in relation to business with emphasis on federal legislation as applied to social security, labor relations and the maintenance of competition as expressed in the pertinent Supreme Court decisions. (Same as Bus. Ad. and Econ. 37.)

**39. Public Administration** 3 hours

The role of administration in modern U.S. Government with attention to the problems of organization, personnel, fiscal affairs, bureaucratism and policy making.

**40. Public Finance** 3 hours

A study of the principles of finance in government. Topics to be considered with include public revenues and expenditures, taxation, public debt, governmental budgeting and fiscal policy (Same as Economics 40.)

**41. Ancient and Medieval Political Philosophy** 3 hours

An introduction to the perennial problems of social life: justice, law the common good as evaluated by Plato, Aristotle, St. Thomas Aquinas and others.

**42. Modern Political Philosophy** 3 hours

A history of later political thought as represented in the currents of rationalism, positivism, the American founding fathers and Christian pluralists.

**44. International Relations** 3 hours

The problems of international relations as exemplified by the U.S. in its role as a world power since 1900 together with attention to international law.

**50. Pro-seminar In Political Science** 3 hours

Directed individual readings of original, major writings with bibliography in the field.

**51. Honors Seminar in Political Science** 3 hours

## DEPARTMENT OF RELIGION

In addition to the regular courses in Religion, the Department offers a series of special courses in **Theology** during the summer Session. Students who have a bachelor's degree from a recognized Catholic College or University and complete the requirements of the four-summer program (plus a Comprehensive Examination) may receive a B.A. in Theology. Those who do not have a bachelor's degree may qualify for (a) a certificate in Theology, or (b) a B.A. in Theology by fulfilling catalogue requirements. Details of the special program are given in the Summer Session Bulletin.

A minor sequence in the Department of Religion consists of a minimum of twelve semester hours on the upper level. Nine semester hours on the lower level and three on the upper level are obligatory for all Catholic Students. Included must be courses 1, 25, and 26. Non-Catholics are required to take Religion 36, Principles of Morality. Pre-theological students will take courses 3-4 and 23, 24.

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### COURSES IN RELIGION

**1. Christian Morality** 3 hours

This course is a study of fundamental moral theology and of the Christian virtues. It treats the end of man, human acts, law, conscience and virtue in general, with special emphasis on the practical application of ethical principles to modern problems, individual and social.

**3-4. The Life of Christ** 4 hours

This course presents the life of Christ as based on a detailed and coordinated reading of the four Gospels. The aim and purpose is to furnish source and background for scientific theological study and a quickening and deepening of religious spirit through the study of the Christ of the Gospels.

**23. Christ in His Mystical Body** 2 hours

The historical development of the apostolic community is studied from the Acts of the Apostles, while the mystery of the Church as the Body of Christ is examined in the writings of Saint Paul, particularly the Epistle to the Ephesians. The course concludes with a doctrinal summary from the encyclicals on the Holy Spirit and the Mystical Body.

This course is intended primarily for pre-theology students.

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**24. The Worship of the Mystical Body**

**2 hours**

The liturgy of the Church is presented as the continuation of the priesthood and redeeming sacrifice of Jesus Christ. The major portion of the course is devoted to the doctrine and historical development of the Sacrifice of the Mass and the seven sacraments. A study of the liturgical calendar is included.

This course is intended primarily for pre-theology students.

**25. Catholic Dogma**

**3 hours**

Revealed truth as defined in the dogmas of the Church is presented in systematic manner: The One God, the Trinity, the Creation, Incarnation and Redemption, Divine Grace, Veneration of the Saints, the Last Things. Expected from the student is familiarity with source material from Sacred Scripture and the doctrinal decisions of the Church.

**26. Sacraments**

**3 hours**

This course is intended to direct the student's mind to the spiritual values in the seven sacraments as the sources of supernatural life. The origin and nature of the sacraments are shown in relation to their effect in the individual and social order. Special emphasis is laid on the Holy Eucharist as sacrament and sacrifice.

**30. Christian Marriage**

**3 hours**

Catholic moral teaching is applied to the daily life of the Christian in the world, with a special study of individual and social problems involved in courtship, marriage, and family.

**32. Apologetics**

**3 hours**

Apologetics leads the student to an understanding of the Church as founded by Christ. The study proceeds by means of rational proof for the preliminaries of faith, the existence of God, the immortality of the soul, and the fact of Christian revelation.

**33. History of the Early and Medieval Church**

**3 hours**

The history of the Catholic Church from the time of the Apostles to Pope Boniface VIII. (Offered in 1959-60.)

**34. Modern Church History 3 hours**

In this course the medieval decline is presented in the light of the rising nationalism and individualism of the modern age. Special attention is given to the causes of the Reformation and to the Catholic revival and counter-reform. (Offered in 1958-1959.)

**35. Liturgy for the Layman 3 hours**

This course, by acquainting the layman with the liturgy of the Church, prepares him to participate in her ceremonies with understanding and profit.

**36. Principles of Morality 3 hours**

A course in the basic principles of morality. This course meets the needs of students who are not of the Catholic faith.

**41. Introduction to Sacred Scripture 3 hours**

The Church's doctrine on the inspiration of the Bible and the canonicity of the sacred books serves as a general introduction to scripture study. Reading from the Old Testament and a study of some of the problems connected with the historical books are included in this course. (Offered in 1959-1960.)

**42. The New Testament 3 hours**

This course includes introductory materials to the study of the New Testament and treats particularly the four Gospels as the inspired life of Christ. (Offered in 1958-59.)

**48. History of the Church in North America 3 hours**

Early foundations of the Church in North America; growth and expansion throughout the nineteenth century; present status of the Church. (Offered in 1958-59.)

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### Suggested Program of Courses for Students Wishing to Qualify for Admission to a Major Theological Seminary after the Sophomore Year

#### FRESHMAN YEAR

	Semester	Hours	
English 3-4, or 7-8 -----	3	3	Rhetoric and Composition; Literature
Greek 1-2 -----	3	3	Introductory Greek
Humanities 25 -----	2		Music Art Forms
Latin 5, 6 -----	3	3	Cicero; Horace
Latin 7-8 -----	1	1	Latin Prose Composition I
Mathematics 5 -----		3	General Mathematics
Religion 3-4 -----	2	2	Life of Christ
Social Science 1-2 -----	3	3	Development of Western Institutions
	—	—	
		17 18	

#### SOPHOMORE YEAR

Greek 21 -----	3	The Greek New Testament
Economics 21-22 -----	3	Principles of Economics
Humanities 23, 24 -----	2	World Literature
Latin 21, 22 -----	3	Livy; Hymns & Ecclesiastical Writers
Latin 25-26 -----	1	Latin Prose Composition II
Biology 5 -----	3	Principles of Biology
Philosophy 12 -----	3	Logic
Religion 23, 24 -----	2	Christ in His Mystical Body
Humanities 27 -----	2	Art: History and Appreciation
Science Requirement -----	2	Chemistry 5; Geology 5
	—	
	17 18	

### COURSES IN SOCIAL SCIENCE

#### 1-2. The Development of Western Institutions 6 hours

The origins and growth of the basic social and cultural institutions of Western Civilization. Their pre-literary origins, the ancient Mediterranean world, and medieval society are considered during the first semester; their development in the modern world since the sixteenth century is treated in the second semester.

#### 21. World Geography 3 hours

This course presents to the student the life and occupations of man as related to geographic conditions. The social, political, and industrial development of typical regions is studied in relation to such factors as land utilization, natural highways and boundaries, and distribution of natural resources.

#### 40. Catholic Social Principles 3 hours

Recognizing the importance of basic principles in Catholic teaching, this course aims to set forth a systematized statement of the principles of the State, Family, and of Economic Life.

### THE DEPARTMENT OF SOCIOLOGY

The Department of Sociology offers both a major and a minor sequence each intended to train the student in scientific attitudes toward human behavior and social interaction, but allowing for differences in both academic and professional goals.

Lectures, exercises and projects are designed to observe and analyze social realities rather than to evaluate or control them.

Majors in Sociology have found such training widely welcomed in applicants to Graduate Schools of Law, Social Work, Teaching, Business and Medicine. Majors and minors find it an aid in entering industrial and personnel management in-training programs, community and industrial counseling organizations, and many other types of careers where efficient and adequate social awareness is a premium.

### MAJOR AND MINOR REQUIREMENTS AND RECOMMENDATIONS

Majors and minors in Sociology are required to take Sociology 21 and 22 and 31 in their proper sequence. These courses develop fundamental concepts and basic techniques for observing human behavior; the training and habits acquired at this level of instruction are assumed throughout the major and minor programs.

Majors are further required to take Sociology 32. While Sociology 35 is not required, Majors are strongly urged to avail themselves of this course and twelve hours in a foreign language, especially if they contemplate graduate work in any specialized social science or educational field.

Minors are encouraged to elect as their interests and special talents dictate from the upper level courses. They should be aware, however, that Major interests and demands in many upper level courses, in terms of independent research as well as group projects, will offer special challenges to them. This is especially true if Sociology 34, Sociology 41, Sociology 43, or Sociology 44 are elected.

Upper level seminars Sociology 49, 50 are only for Majors who have maintained at least a B average in their work.

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COURSES IN SOCIOLOGY  
Junior Program

21. General Sociology I 3 hours

The person and the group. Socialization. Primary Groups: family, play and neighborhood. Secondary Groups: social classes, ethnic groups, minorities.

22. General Sociology II 3 hours

Primary associations and collective behavior. Population composition and change. Urban Ecology. Industrial, political and religious structures in American society.

31. Basic Methodology 3 hours

Empirical analysis and scientific method in the study of human behavior. Principal sources of data. Questionnaires and interviewing. Scale analysis. Elements of tabulation and graphing. Elementary statistical procedures.

32. Public Opinion and Social Control 3 hours

The nature of social control. Ideology. Language and symbolic controls. The institutions of control.

33. The American Family 3 hours

The field of family sociology. The structure of the American family. The functions of the American family within the institutional framework of American Society.

34. Urban Area Analysis 3 hours

The human person in the complexity of the modern city. Community and Association ties. The direction of city growth and the possibility of new urban forms.

35. Elementary Statistics 3 hours

See Education 35.

36. Industrial Sociology 3 hours

Industrial organization as a social system. Human values and productivity.

**Suggested Program of Courses for the B.A. Degree with  
Sociology as a Major Sequence**

**FRESHMAN YEAR**

		Semester	
		Hours	
Biology 5 -----	3	Principles of Biology	
English 3-4 -----	3 3	Rhetoric and Composition	
Humanities 23-24 -----	2 2	World Literature	
Philosophy 12, 21 -----	3 3	Logic; Philosophy of Man	
Religion 1 -----	3	Christian Morality	
Social Science 1-2 -----	3 3	Development of Western Institutions	
Speech 15 -----	2	Fundamentals of Speech	
Science Requirement -----	2	Chemistry 5, or Geology 5, or Physics	
	— —	5, or Physics 7	
	16 16		

**SOPHOMORE YEAR**

German or French 1-2 -----	3 3	Introductory German or French
Humanities 25 and 27 -----	2 2	Music Art Forms; Art: History and Appreciation
Mathematics 5 or 23 -----	(3) (6)	General Mathematics; College Mathematics
Philosophy 31 -----	3	Metaphysics
Religion 25-26 -----	3 3	Dogma; Sacraments
Sociology 21-22 -----	3 3	General Sociology
Elective -----	(3) 3	
	— —	
	(17) 17 17	

**JUNIOR YEAR**

German or French 21-22 -----	3 3	Intermediate
Minor Sequence -----	3 3	
Philosophy 33; Soc. Sc. 40 -----	3 3	Cosmology; Catholic Social Principles
Religion 30 or 32; 35 -----	3 3	Family; Apologetics; Liturgy
Sociology 31-32 -----	3 3	Methods; Public Opinion
Soc. 33 or 35; 34 or 36 -----	3 3	American Family; Statistics; Urban Area Analysis; Industrial Soc.
	— —	
	18 18	

**SENIOR YEAR**

Minor Sequence -----	3 3	
Philosophy 38, 46 -----	3 3	Epistemology; Philosophy of Science
Religion 41; 42 or 48 -----	3 3	Old and New Testament; History of the Church in North America
Sociology 41 or 43 or 45; 42 or 44 or 46 -----	6 6	Stratification; Social Organization; Ethnic Groups; Theory; Religion; Criminology
Sociology 49, 50 -----	(3 3)	Seminars
	— —	
	15 15	

**134 SAINT JOSEPH'S COLLEGE****Senior Program****38. Sociology of Education 3 hours**

The school and society. The function of the school as an agent of culture transfer. Detail of current analyses. Projects. (Same as Education 44.)

**41. Social Stratification 3 hours**

The literature of social class and stratification. Principal methodological problems. Current interests in social class analysis. Field problems.

**42. American Social Organization 3 hours**

An examination of the social structure of contemporary America and of the factors inducing social change. Particular attention is given to the social implications of the Catholic basis for social reorganization.

**43. Introduction to Sociological Theory 3 hours**

A review of the variety of theories and the assumptions behind them in the origin and development of sociological analysis during the past one hundred years. Special effort is made to develop research designs from the best in the theories of the past.

**44. The Sociology of Religion 3 hours**

Religion and social custom. The development of religious thought as influenced by social factors. Religious practice as a culture variable.

**45. American Ethnic Groups 3 hours**

Major institutional forms of the Irish, Polish, German, Italian and Spanish immigrants. The meaning in the homeland; the effect of its transplanting. American cultural pluralism.

**46. Criminology 3 hours**

Crime as a social phenomenon. The incidence, distribution and etiology of criminal behavior. Types of criminals. Changing beliefs and practices in dealing with the criminal.

**49. Pro-seminar: Sociological Research Design 3 hours****50. Pro-seminar: the Individual and the Group 3 hours****51. Honors Seminar 3 hours**

## COURSES IN SPANISH

**1-2. Introductory Spanish 6 hours**

Drill in the basic grammatical rules with emphasis on the development of reading and conversational ability. Written exercises are required.

**21-22. Intermediate Spanish 6 hours**

Review of grammatical forms. Advanced grammar and syntax. Reading of graded texts. Practice in conversation and written reports.

**31-32. Spanish Literature 6 hours**

Survey of Spanish literature from its beginnings to modern times. Selected readings from the most important authors. Written and oral reports. (Offered in 1958-59.)

**35. Advanced Conversation and Composition 3 hours**

Systematic and intensive drill in Spanish oral practice. Written and oral composition. Readings and subjects for discussion are assigned.

Prerequisite: Spanish 21-22 or equivalent.

**36. Commercial Spanish 3 hours**

Study of the language used in business, its forms and idioms. Special attention is given to letter writing and other business documents.

**41.42. Spanish-American Literature 6 hours**

A survey of Spanish American literature with emphasis on the nineteenth and twentieth centuries. Selected readings from representative authors from the various countries. (Offered in 1957-58.)

## DEPARTMENT OF SPEECH

The aims and purposes of the Department of Speech are:

1. To instill an understanding and appreciation of the Aristotelian tradition of oral rhetoric and its function in a liberal education;
2. to develop the student's resources, ability, and facility for the spoken communication of thought and emotion;
3. to foster an appreciation of Radio, Television, and the Theatre in our culture.

For the minor sequence in speech the student must show a minimum of twelve semester hours in upper-level courses.

Speech 16 is a prerequisite for all upper-level courses.

**136 SAINT JOSEPH'S COLLEGE****COURSES IN SPEECH****16. Fundamentals of Speech 2 hours**

The basic course for all students. History of speech education, overcoming stage fright, bodily action and gesture, language for speaking, outlining, types and modes of public address, voice, articulation, and pronunciation, survey of areas in the field of speech. Each student shall deliver between five and eight speeches during the semester.

**18. Voice and Articulation 2 hours**

Emphasis placed on achieving acceptable and pleasing voice and articulation. Content shall include: physical bases of speech, group reading, individual work, drills and exercises.

**23. Argumentation and Debate 3 hours**

Preparing the brief, developing the argument, informal and formal debate, strategy. Practice debates.

**25. Fundamentals of Acting 3 hours**

Designed to acquaint the student with the basic theory of acting and its practical applications to drama and the theatre. Emphasis is placed upon interpretation, characterization, and dramatic action. Participation in student productions is required.

**31. Public Speaking 3 hours**

Theory and practice of audience analysis as it relates to topic selection, speech organization and presentation within the traditional speech-type framework of narrative, argumentative, informative, and persuasive speeches. Prerequisite Sp. 11 or permis of Inst.

**32. Group Discussion 2 hours**

The content and methodology of participation and leadership in group problem-solving activities.

**33. Play Production 2 hours**

A study and application of the technical aspects of play production as they relate to the theatre. Practice in making a prompt book, stage lighting, scene design, set construction, and costuming. Participation in student productions is required.

**35. Oral Interpretation of Literature 3 hours**

The development of the student's abilities in reading aloud through exercises in the analysis and communication of the logical and emotional content of the printed page. Special attention will be given to a study of the form and content of poetry as they affect the understanding and performance of the oral interpreter.

**41. Elements of Speech Improvement 3 hours**

Diagnosing simple speech defects and disorders, nasality, lisping, omissions, additions, substitutions, inversions. Theory of improving simple defects and disorders. Prerequisite Sp. 11 or permis of Inst.

**43. Oral Interpretation of the Modern Drama 2 hours**

A study of the forms and content of modern drama (Ibsen to the present day) as they affect the understanding and performance of the oral interpreter. Prerequisite Sp. 11 or permis of Inst.

## APPENDIX I.

## REGISTER OF STUDENTS 1958-1959

ADLER, Thomas M.	Chicago, Illinois
ADZIA, Allan G.	Hammond, Indiana
ADZIMA, Michael B.	Whiting, Indiana
AHLER, Kenneth J.	Medaryville, Indiana
ALBERS, Thomas L.	Minster, Ohio
ALBERTSON, Lawrence D.	Lawrence, Kansas
ALESIA, Henry A.	Chicago, Illinois
AMBS, James R.	Middletown, Indiana
ANDARY, Edward J.	St. Clair Shores, Michigan
ANDERSEN, Raymond W.	Philadelphia, Pennsylvania
ANDERSON, James W.	Rensselaer, Indiana
ANDERSON, John D.	Mount Morris, Michigan
ANDERSON, R. James	Detroit, Michigan
ANDREOTTA, Joseph M.	Middletown, Ohio
ANTE, Sr. M. Benildes	Dayton, Ohio
ARCE, Michael E.	Royal Oak, Michigan
ARMON, Joseph E.	Chicago, Illinois
BADOS, Ronald S.	Hammond, Indiana
BAILEY, Roy L.	Griffith, Indiana
BAINTER, Edward C.	Columbus, Ohio
BAK, Henry B.	Chicago, Illinois
BANKERT, Edward J.	Chicago, Illinois
BANKS, Kenneth J.	Fowler, Indiana
BARATH, Joseph P.	Chicago, Illinois
EARSOOTTI, Joseph L.	Chicago, Illinois
BARTELS, John M.	Milwaukee, Wisconsin
BARTHOLOMY, Patrick W.	Fort Wayne, Indiana
BASSO, Anthony L.	Chicago, Illinois
BATES, Kenneth M.	Chicago, Illinois
BATISTICK, James A.	Parma, Ohio
BAUER, David C.	Huntington, Virginia
BAUMANN, John R.	Star City, Indiana
BAUMGART, Donald J.	Gary, Indiana
BEAM, David M.	Louisville, Kentucky
BEAUDOIN, James O.	Owosso, Michigan
BECKMAN, Douglas	Hamilton, Ohio
BECKMAN, Robert P.	Ottawa, Ohio
BECOFSKE, Robert A.	Chicago, Illinois
BEEMSTERBOER, George L.	Dayton, Ohio
BEHNKE, Richard C.	Battle Creek, Michigan
BELL, David P.	Cleveland, Ohio
BELLUCCI, Frank W.	Chicago, Illinois
BELLUCCI, John B.	Chicago, Illinois
BENA, Martin J.	Waukegan, Illinois
BENCZE, Stephen F.	East Chicago, Indiana
BENDIS, Theodore S.	Whiting, Indiana
BERAN, David A.	Chicago, Illinois
BERES, Thomas W.	Milwaukee, Wisconsin
BERGEN, Philip L.	Dayton, Ohio
BERGFIELD, Robert A.	Chicago, Illinois
BERGIN, Terence E.	Chicago, Illinois

## REGISTER OF STUDENTS 139

BERGMAN, Frank A.	Chicago, Illinois
BIEDAKIEWICZ, Ronald M.	Chicago, Illinois
BIGGERSTAFF, Dennis H.	Hammond, Indiana
BILLINGS, Stewart R.	Indianapolis, Indiana
BILLY, Raymond J.	Ashtabula, Ohio
BLACKMORE, Richard D.	Chicago, Illinois
BLAHUNKA, Stephen P.	Whiting, Indiana
BLAJSZAK, Stephen J.	Gary, Indiana
BLAKE, Thomas J.	Chicago, Illinois
BLANC, Louis A.	Peoria, Illinois
BLANDFORD, Richard P.	Lebanon, Kentucky
BLANZY, James J.	Berkley, Michigan
BLAZ, Alfred G.	Agana, Guam
BOGNER, Kenneth R.	Hammond, Indiana
BOLAND, Patrick J.	Chicago, Illinois
BORGE, George F.	LaGrange Park, Illinois
BOSCH, Jerome J.	Chicago, Illinois
BORNHOFEN, Fred A.	DesPlaines, Illinois
BOTON, Joseph L.	Chicago, Illinois
BOWERS, Gerald L.	Fort Wayne, Indiana
BOYCE, Walter R.	Lafayette, Indiana
BOYLE, John M.	Chicago, Illinois
BRADY, Thomas L.	Dodge City, Kansas
BRAND, Kenneth J.	Indianapolis, Indiana
BRAY, Charles P.	Saginaw, Michigan
BREMAN, Joseph A.	Fort Wayne, Indiana
BRENBERGER, Thomas R.	Dayton, Ohio
BRENNAN, John T.	Berea, Ohio
BRENNAN, Thomas J.	Berea, Ohio
BROCKMAN, Melvin T.	Wood Dale, Illinois
BROSNAN, James G.	Chicago, Illinois
BROWN, Charles D.	Arlington, Virginia
BROWN, Joseph L.	St. Marys, Ohio
BROWN, Thomas K.	Bensenville, Illinois
BRUCKEN, Joseph B.	Dayton, Ohio
BRUDENELL, Gerald R.	Villa Park, Illinois
BUBALA, Benedict M.	Whiting, Indiana
BUBB, Kenneth P.	Fort Wayne, Indiana
BUCHKO, Michael J.	Gary, Indiana
BUCKLEY, Donald T.	Augusta, Georgia
BUDNICK, Thomas A.	Detroit, Michigan
BUDZIELEK, Ronald	Hobart, Indiana
BUETTNER, Thomas A.	Chicago, Illinois
BUHRMAN, Bro. Philip	Collegeville, Indiana
BUMBALES, Stanley R.	Gary, Indiana
BURIAN, Robert J.	Chicago, Illinois
BURNS, Richard L.	Goodland, Indiana
BURROWS, Gerald F.	Ionia, Michigan
BURTON, Gerald J.	Appleton, Wisconsin
BURTON, Thomas J.	Chicago, Illinois
BUSCARINI, Tom A.	Chicago, Illinois
BUTLER, Dennis T.	Chicago, Illinois
BYRNE, Gerald E.	Chicago, Illinois
BYRNE, William M.	Oak Park, Illinois
BYRNES, John M.	Midlothian, Illinois

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CABALA, Anthony J.	Calumet City, Illinois
CABALA, Henry P.	Calumet City, Illinois
CACCAMO, Frank R.	Chicago, Illinois
CACCHIONE, Paul E.	North Pelham, New York
CALDERON, James E.	Chicago, Illinois
CALDERONE, Anthony M.	Battle Creek, Michigan
CANNON, John M.	Chicago, Illinois
CARCIONE, Anthony W.	Fort Wayne, Indiana
CARLIN, John B.	Detroit, Michigan
CARPENTER, Thomas D.	Gary, Indiana
CARRABINE, John	Gary, Indiana
CARROLL, Mrs. Catherine	Brook, Indiana
CARRICO, Victor R.	Lebanon, Kentucky
CASEY, Bernard J.	Chicago, Illinois
CASEY, Daniel F.	Knox, Indiana
CASEY, Melvern M.	Chicago, Illinois
CASSIN, David E.	Oak Park, Illinois
CASSIN, William	Chicago, Illinois
CASTULIK, John J.	Creve Coeur, Missouri
CASWELL, James C.	Ionia, Michigan
CATHCART, Robert N.	Muskegon Heights, Michigan
CAVANAUGH, Thomas M.	Lansing, Michigan
CHARRON, Joseph L.	Seneca, South Dakota
CHOVANEC, Stephen J.	Whiting, Indiana
CHRISTEN, John C.	Villa Park, Illinois
CHRISTIANSON, John N.	Mishawaka, Indiana
CHRUSTOWSKI, Joseph J.	Whiting, Indiana
CHUROSH, James L. S.	Whiting, Indiana
CIANCIOLA, Philip S.	Chicago, Illinois
CIESLAK, Paul S.	Chicago, Illinois
CINADR, Joseph W.	Cleveland, Ohio
CLARK, Donald W.	Window Rock, Arizona
CLARK, Michael L.	Louisville, Kentucky
CLAUSEN, Glenn R.	Chicago, Illinois
CLEMENS, Dennis D.	Defiance, Ohio
CLIFFORD, John F.	Chicago, Illinois
CLUNE, Joseph A.	Gary, Indiana
CODY, Phillip F.	Chicago, Illinois
COGAN, Kevin J.	Chicago, Illinois
COLBY, Albert J.	Elmhurst, Illinois
COLE, David J.	Elwood, Indiana
COLLINS, Robert J.	Chicago, Illinois
COMPANIK, John P.	Griffith, Indiana
COMPLO, Richard J.	Monroe, Michigan
CONLIN, Richard G.	Gary, Indiana
CONLON, John L.	Park Ridge, Illinois
CONNELLY, George F.	Chicago, Illinois
CONNOR, Timothy J.	Fort Wayne, Indiana
CONROY, John T.	Maywood, Illinois
COOK, David E.	Fort Wayne, Indiana
CORBETT, Edward J.	Pittsburgh, Pennsylvania
CORMACK, William T.	Oak Park, Illinois
COTE, Richard A.	Manchester, New Hampshire
COUGHLIN, Dale E.	Kinsman, Illinois
COURTNEY, Richard L.	Kankakee, Illinois

## REGISTER OF STUDENTS 141

COWAN, Eugene P.	Oak Park, Illinois
CREAGER, Harry J.	St. Joseph, Michigan
CROCI, Albert H.	Toledo, Ohio
CROTEAU, Paul A.	Brunswick, Maine
CROWLEY, James W.	Oak Park, Illinois
CUMMINGS, Paul A.	Chicago, Illinois
CURRIER, Leslie C.	Middletown, Ohio
CURRY, Joseph T.	Chicago, Illinois
CUSICK, Thomas A.	Detroit, Michigan
CYRIER, Richard T.	Chicago, Illinois

DAGON, Thomas J.	Canisteo, New York
DALY, Edmund B.	Chicago, Illinois
DANCE, Mrs. Alice R.	Rensselaer, Indiana
DATTOMO, Angelo R.	Cincinnati, Ohio
DAUSKURDAS, Clement J.	Chicago, Illinois
DAY, Roy J.	Chicago, Illinois
DEAN, Bernadetta U.	Brook, Indiana
Decker, Robert L.	Grosse Pointe Farms, Michigan
DeCLERCQ, Thomas E.	Royal Oak, Michigan
DEEGAN, James M.	Lakewood, Ohio
DEEM, Thomas H.	Vincennes, Indiana
DELANEY, Thomas E.	Fort Wayne, Indiana
DeMINT, Thomas W.	Springfield, Illinois
DEMPSEY, James E.	Chicago, Illinois
DENNIS, David S.	Kentland, Indiana
DETERS, John P.	Ottawa, Ohio
DETTMER, Lawrence W.	Berwyn, Illinois
DEVEREAUX, Fred J.	Flint, Michigan
DEVEREAUX, Patrick J.	Port Huron, Michigan
DEWES, Howard J.	Dyer, Indiana
DHOOGHE, Russell L.	Berwyn, Illinois
DiBUONO, John D.	LaGrange Park, Illinois
DILLON, William H.	Chicago, Illinois
DINEEN, William J.	Dayton, Ohio
DISBROW, Don R.	Richland, Michigan
DOBECKI, Glenn A.	South Bend, Indiana
DOBSON, Francis T.	Madison, Wisconsin
DOHERTY, Thomas J.	Chicago, Illinois
DOHR, Thomas A.	Chicago, Illinois
DOLAN, Edward F.	Chicago, Illinois
DOMBROWSKI, Robert A.	Chicago, Illinois
DOMINIK, Carl P.	Chicago, Illinois
DONAHUE, Donald R.	Cullom, Illinois
DONAHUE, Thomas C.	Chicago, Illinois
DONES, Peter D.	Elmwood Park, Illinois
DONG, Howard S. K.	Chicago, Illinois
DOORLEY, Mark J.	New Bremen, Ohio
DORAN, James Q.	South Bend, Indiana
DOUGHERTY, Robert E.	Chicago, Illinois
DOUGHERTY, Andrew R.	Gary, Indiana
DOWLING, Bernard P.	Hammond, Indiana
DOWNES, Gerald F.	Chicago, Illinois
DOWNES, Thomas J.	Chicago, Illinois
DOWNEY, Kevin P.	Wallingford, Connecticut

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DOWNEY, Timothy R.	Waukegon, Illinois
DOYLE, Gregory L.	Mishawaka, Indiana
DRENNAN, Thomas G.	Berwyn, Illinois
DREW, Daniel C.	Indianapolis, Indiana
DROPIEWSKI, Eugene J.	Richmond, Michigan
DUDECK, Jon A.	South Bend, Indiana
DUES, Leon G.	Coldwater, Ohio
DUFFY, Julian E.	Dunkirk, Indiana
DUNCAN, Michael P.	Blue Island, Illinois
DUNDERMAN, Fred J.	Antwerp, Ohio
DUNN, Michael P.	Hoopeston, Illinois
DURKING, James M.	Chicago, Illinois
DURKING, Paul W.	Chicago, Illinois
DUSTEN, John F.	Troy, New York
DYREK, Leroy S.	Chicago, Illinois

EBERHARDT, Ronald E.	Massilon, Ohio
EDMONDS, Nuel F.	Rensselaer, Indiana
EDWARDS, Ray S.	Deerfield, Illinois
EGAN, Harold F.	Lemont, Illinois
EGAN, James P.	Chicago, Illinois
EISELE, David J.	Belleville, Illinois
EISENHUTT, Leo L.	Crown Point, Indiana
ELEMENTNY, Raymond B.	Chicago, Illinois
ELLGASS, LeRoy M.	Chicago, Illinois
ELLIOTT, Michael A.	Westville, Illinois
EMGE, LeRoy F.	Evansville, Indiana
EMRO, Thomas J.	Whiting, Indiana
ENDRES, John R.	New Philadelphia, Ohio
ERNST, Robert A.	Chicago, Illinois
ESCHMAN, Elbert E.	Belleville, Illinois
ESPOSITO, George R.	Akron, Ohio
ETTER, Richard A.	Lafayette, Indiana
ETZWILER, David J.	Mansfield, Ohio
EVANS, John R.	Chicago, Illinois
EVANS, Reginald D.	Hammond, Indiana
EVERDING, Fred J.	Denver, Colorado

FABER, Thomas L.	Sandusky, Ohio
FAUCHER, Charles A.	Grosse Ile, Michigan
FAULSTICH, Fred J.	Danville, Illinois
FAYLOR, Mark T.	Fort Wayne, Indiana
FECH, Edward B.	Whiting, Indiana
FENNELLY, Edward J.	Chicago, Illinois
FIELDS, Robert D.	Detroit, Michigan
FILICE, Robert M.	Chicago, Illinois
FINAN, Donald S.	Chicago, Illinois
FINDLING, Robert L.	Ludington, Michigan
FINNEGAN, John M.	Louisville, Kentucky
FIRZLAFF, Irene A.	Rensselaer, Indiana
FISCHER, August C.	Lemont, Illinois
FISCHER, Birk F.	Evansville, Indiana
ISCHER, William A.	Owosso, Michigan
FITZGERALD, Frank R.	Elmwood Park, Illinois

## REGISTER OF STUDENTS 143

FITZGERALD, Joseph F.	Chicago, Illinois
FITZGERALD, Michael D.	Elmwood Park, Illinois
FITZPATRICK, John C.	Chicago, Illinois
FITZPATRICK, John R.	River Grove, Illinois
FITZPATRICK, Michael U.	Warsaw, Indiana
FLASHING, Richard J.	River Grove, Illinois
FONTANETTA, Michael J.	Chicago, Illinois
FORLENZA, Joseph A.	Chicago, Illinois
FOX, Beverly R.	Monticello, Indiana
FOX, John D.	Canton, Ohio
FRANCK, John J.	St. Henry, Ohio
FRANCOEUR, Byron P.	Anderson, Indiana
FREEHILL, Michael A.	Melvin, Illinois
FREEHILL, Patrick J.	Melvin, Illinois
FREEHILL, Thomas M.	Melvin, Illinois
FREELAND, Anthony E.	Hoopeston, Illinois
FREIBERT, Ralph W.	Downers Grove, Illinois
FREYGANG, Roy E.	Fort Wayne, Indiana
FRIEDRICH, Gerald J.	South Bend, Indiana
FRY, David O.	Rushville, Indiana
FUNK, Robert W.	Kentland, Indiana
FUS, Dennis A.	Hammond, Indiana

GABEL, Raymond J.	Chicago, Illinois
GAERTNER, Leonard J.	Cleveland, Ohio
GAGLIANO, James S.	Chicago, Illinois
GALLAGHER, Patrick J.	Detroit, Michigan
GALLAGHER, Robert A.	Chicago, Illinois
GALLAHER, Robert D.	Chicago, Illinois
GALLIVAN, Robert M.	Chicago, Illinois
GALLO, Richard E.	Berwyn, Illinois
GALVIN, John E.	Paducah, Kentucky
GAMBLA, Gerald J.	Chicago, Illinois
GANNON, James C.	Cleveland, Ohio
GAPZYNSKI, Peter P.	South Bend, Indiana
GARDNER, Ralph D.	Gary, Indiana
GARIBAY, Leo F.	Clarendon Hills, Illinois
GAUL, Charles F.	Elmhurst, Illinois
GAVIN, Thomas J.	Chicago, Illinois
GAYNOR, James E.	Harrison, Ohio
GEARY, Thomas W.	Chicago, Illinois
GEFFERT, Thomas J.	Detroit, Michigan
GEHRING, Daniel J.	North Judson, Indiana
GELINO, Arthur J.	Momence, Illinois
GELINO, Francis E.	Momence, Illinois
GIER, John J.	Chicago, Illinois
GIERAT, Robert J.	Chicago, Illinois
GIES, Emil F.	Huntington, Indiana
GIMBEL, Donald L.	Broadview, Illinois
GLADU, Vern G.	Kankakee, Illinois
GLASPER, John J.	Fort Wayne, Indiana
GLATZEL, Howard D.	Lafayette, Indiana
GLICK, Arthur R.	Chicago, Illinois
GLOWACKI, Robert J.	Hammond, Indiana
GOBEILLE, Joseph A.	Evergreen Park, Illinois

## 144 SAINT JOSEPH'S COLLEGE

GODSHALL, Gerald D.	Highland, Indiana
GOEDDE, Edwin R.	Defiance, Ohio
GOEDDEKE, Vincent P.	Detroit, Michigan
GOEDERT, Patrick J.	River Forest, Illinois
GOELDI, John J.	Detroit, Michigan
GOES, Kenneth R.	Chicago, Illinois
GOHEEN, Thomas A.	Huntington, W. Virginia
GOLDRICK, Michael R.	Chicago, Illinois
GONTKO, Robert N.	Elmhurst, Illinois
GORDON, John P.	Chicago, Illinois
GORTE, Christian H.	Owosso, Michigan
GORTE, Jerome J.	Owosso, Michigan
GRACZYK, Edward J.	Chicago, Illinois
GRADL, Michael J.	Chicago, Illinois
GRADY, Lawrence I.	Detroit, Michigan
GRAHAM, Robert E.	Morocco, Indiana
GRANNAN, William G.	Washington, Indiana
GRENNE, Joseph V.	New Castle, Indiana
GREVE, J. Terrence	Cincinnati, Ohio
GRiffin, Thomas J.	Chicago, Illinois
GRiFFiS, John L.	Kentland, Indiana
GRiLLiOT, Sr. M. Celine	Dayton, Ohio
GRONEMANN, Robert G.	Joliet, Illinois
GRONTKOWSKI, Ronald E.	South Bend, Indiana
GROSS, Carl N.	Cortland, Ohio
GROSS, James P.	Chicago, Illinois
GROSS, Mary E.	Fort Recovery, Ohio
GROTEMAT, Robert R.	Ludington, Michigan
GROTHOUSE, Gregory C.	Whiting, Indiana
GUERTIN, David L.	Kankakee, Illinois
GUERTIN, Ronald L.	Kankakee, Illinois
GULASSA, John P.	Whiting, Indiana
GULVAS, Robert J.	Whiting, Indiana
GURGONE, Joseph M.	Chicago, Illinois
GURZICK, Robert C.	Detroit, Michigan
GUSTAFSON, Wilfred E.	Chicago, Illinois
GUZIK, Kenneth L.	Chicago, Illinois
HABING, Cletus H.	Teutopolis, Illinois
HADALA, Robert S.	Joliet, Illinois
HADUCH, Henry J.	Lansing, Illinois
HAFNER, Gary G.	Indianapolis, Indiana
HAFNER, Robert A.	Dayton, Ohio
HAGEARTY, James C.	Kankakee, Illinois
HAGEMAN, Gerald W.	Harper Woods, Michigan
HALDORSON, Ralph J.	Coal City, Illinois
HALL, Edward E.	Hammond, Indiana
HAMMAN, William R.	Chicago, Illinois
HAMMER, John W.	Canal Fulton, Ohio
HANCOCK, John W.	Hobart, Indiana
HANDLEY, Jerry D.	Rensselaer, Indiana
HANFORD, Verle L.	Momence, Illinois
HANLEY, Alan P.	Oak Park, Illinois
HANNON, James T.	Chicago, Illinois
HAROS, Harry C.	Chicago, Illinois

SAINT JOSEPH'S COLLEGE  
COLLEGEVILLE, INDIANA

May 22, 1959

Rev. Edmund Ryan, C.P.P.S.  
St. Charles Seminary  
Carthage, Ohio

Dear Father Ryan:

We have changed some of our graduation requirements. Since these changes affect our seminarians, you may submit them, if necessary, to the University of Dayton for approval.

Former

A. Humanities: 6-hours  
elective from:  
Hum. 20 - 3 hrs.  
Hum. 21-22 - 6 hrs.  
Hum. 23-24 - 6 hrs.  
Hum. 25 - 3 hrs.  
Hum. 27 - 3 hrs.

B. Science: all students  
required to show:  
Nat. Sci. 2 - 3 hrs.  
Nat. Sci 3-4 - 6 hrs.

New

A. Humanities: all students  
required to show:  
Hum. 23-24 - 4 hrs.  
Hum. 25 - 2 hrs.  
Hum. 27 - 2 hrs.

B. Science: 10 hours  
all students required to show:  
Biology 5 - 3 hrs.  
Mathematics 5 - 3 hrs.  
and 4 hours from:  
Chemistry 5 - 2 hrs.  
Geology 5 - 2 hrs.  
Physics 7 - 2 hrs.

The only problem seems to be the two 2-hour courses in World Literature. Let me know.

Under separate cover I am sending you the new catalogue.

Fraternally yours,

*Fr. Edward A. Maziarz*  
Rev. Edward A. Maziarz, C.P.P.S.  
Academic Dean



## REGISTER OF STUDENTS 145

HARRELL, Gregory J.	Paxton, Illinois
HARRINGTON, Earl S.	Chicago, Illinois
HARRINGTON, Phil R.	Chicago, Illinois
HARRIS, John D.	Racine, Wisconsin
HARRIS, Michael P.	St. Joseph, Missouri
HART, William R.	Chicago, Illinois
HAVERTY, James B.	Chicago, Illinois
HAVERTY, Kevin J.	Chicago, Illinois
HAYES, Fred A.	Lansing, Illinois
HAYES, Robert J.	Chicago, Illinois
HAYNES, David J.	St. Joseph, Michigan
HAYS, James K.	Chicago, Illinois
HEALY, Terrence J.	Chicago, Illinois
HECKERT, Harry R.	Chicago, Illinois
HECKMAN, Daniel J.	Glandorf, Ohio
HEGARTY, James F.	Pompano Beach, Florida
HEISEL, James E.	Cincinnati, Ohio
HENES, Charles W.	Chicago, Illinois
HENNEBERGER, Charles A.	Fowler, Indiana
HENNEMAN, Robert J.	Chicago, Illinois
HERBER, John F.	Fort Wayne, Indiana
HERBER, Lawrence J.	Fort Wayne, Indiana
HERBST, George F.	Bellwood, Illinois
HEROD, Bernard A.	Michigan City, Indiana
HERSHBERGER, Dennis R.	Rensselaer, Indiana
HERTEL, William A.	Batesville, Indiana
HIPSKIND, Timothy F.	Fort Wayne, Indiana
HOBGOOD, Terrence W.	Evansville, Indiana
HO DAC Tuong	Saigon, Vietnam
HOBING, William J.	Cincinnati, Ohio
HOENNINGER, Ronald W.	Cincinnati, Ohio
HOESS, Jerome S.	Munster, Indiana
HOESSLER, Donald J.	Chicago, Illinois
HOFFMAN, John F.	Chicago, Illinois
HOFFSWELL, Robert A.	Chicago, Illinois
HOLLAND, William A.	Chicago, Illinois
HOLMES, Charles W.	Huntington Woods, Michigan
HOLSTEIN, Ronald A.	Hamilton, Ohio
HONIKEL, Lawrence J.	Elmwood Park, Illinois
HOOVER, David H.	Louisville, Ohio
HOSTY, James J.	Chicago, Illinois
HOULIHAN, John M.	Chicago, Illinois
HORNSCHEMEIER, Lawrence B.	Cincinnati, Ohio
HUFFMAN, Paul J.	Maysville, Kentucky
HUGO, Gerald V.	Detroit, Michigan
HUHN, Thomas J.	Fort Wayne, Indiana
HUNNESHAGEN, Donald E.	Rochester, Indiana
HUNTINE, James M.	Fort Wayne, Indiana
HURST, Kenneth G.	Chicago, Illinois
ILGES, Leonard J.	Shrewsbury, Missouri
JACKSON, Richard E.	Westfield, New York
JACOB, John S.	Cleveland, Ohio

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JAKUBICEK, Anthony R.	Chicago, Illinois
JANC, Albert A.	Shererville, Indiana
JANCICH, Robert G.	Whiting, Indiana
JAVORSKI, Thomas S.	Chicago, Illinois
JENSEN, Robert L.	Medaryville, Indiana
JOHNSON, John W.	Elmhurst, Illinois
JOHNSON, Joseph G.	St. oseph, Michigan
JOHNSON, Robert J.	Chicago, Illinois
JOHNSON, Walter T.	Chicago, Illinois
JONES, John P.	Blue Island, Illinois
JONES, Robert B.	Fort Wayne, Indiana
JOSEFORSKY, Alan C.	Gary, Indiana
JUNEAU, Richard P.	Detroit, Michigan
JUNG, Robert L.	Calumet City, Illinois
JURIK, Paul P.	Chicago, Illinois

KAFKA, David E.	Royal Oak, Michigan
KAHN, David L.	Dayton, Ohio
KAISER, Robert L.	Fort Recovery, Ohio
KALATA, Edward F.	Chicago, Illinois
KAMINSKY, James J.	Whiting, Indiana
KANAMUELLER, Joseph M.	Chicago, Illinois
KASKY, G. Robert	Chicago, Illinois
KASSEL, Wayne M.	Berwyn, Illinois
KEANE, Thomas F.	Chicago, Illinois
KEDZIOR, Richard W.	Detroit, Michigan
KEEFE, Thomas J.	Oak Lawn, Illinois
KEENS, Leon H.	Sedalia, Missouri
KEILMAN, Jack L.	Dyer, Indiana
KELLER, Philip M.	LaGrange, Indiana
KELLY, Edward J.	Chicago, Illinois
KELLEY, Leo G.	Falls Church, Virginia
KELLY, Lawrence P.	Marion, Ohio
KELLY, Raymond J.	Elmwood Park, Illinois
KELLY, Thomas R.	Chicago, Illinois
KEMME, John R.	Cincinnati, Ohio
KEMPF, Edward L.	Chicago, Illinois
KENNEDY, Edward W.	Chicago, Illinois
KENNEDY, Raymond G.	Toledo, Ohio
KENNEDY, William M.	Dayton, Ohio
KENNEY, H. Philip	Indianapolis, Indiana
KENVILLE, Ralph T.	Penn Yaw, New York
KERKHOFF, James F.	Otterbein, Indiana
KIEFER, John D.	Evansville, Indiana
KINDERMAN, Dennis J.	Dayton, Ohio
KIPLEY, Ed L.	Riverdale, Illinois
KIRCHMAN, Merdov F.	Aroma Park, Illinois
KISSNER, Thomas J.	Defiance, Ohio
KLAWITTER, John M.	Stager, Illinois
KLEAR, James L.	Toledo, Ohio
KLEIN, Joan M.	Milton, Indiana
KLEIN, Lester J.	Lake VillageJ, Indiana
KLEIN, Robert A.	Riverdale, Illinois
KLEMME, Leo F.	Earl Park, Indiana
KLINE, Mark J.	Remington, Indiana

## REGISTER OF STUDENTS 147

KLINE, Roland A.	Chicago, Illinois
KLINGELE, James L.	Lombard, Illinois
KNAPP, Dennis L.	Alexandria, Indiana
KNIGHT, Michael E.	Shererville, Indiana
KNOB, Richard W.	Piqua, Ohio
KNOERZER, Ronald E.	Lansing, Illinois
KOCH, Richard F.	Mt. Prospect, Illinois
KOEHLER, James B.	M.S., Madison, Indiana
KOERBER, John D.	Chicago, Illinois
KOLESAR, John C.	Chicago, Illinois
KOLESAR, Paul M.	Chicago, Illinois
KOLESIAK, Ernest T.	South Bend, Indiana
KOMINEK, Leo A.	Chicago, Illinois
KOPANDA, Frank A.	East Chicago, Indiana
KORON, Robert W.	Chicago, Illinois
KORON, Ronald P.	Chicago, Illinois
KORTEPETER, Don C.	Indianapolis, Indiana
KOSOBUCKI, Dennis B.	Cicero, Illinois
KOVITCH, Joseph P.	Berwyn, Illinois
KOZLEVCAR, Carl J.	Joliet, Illinois
KRANTZ, William B.	Aurora, Illinois
KRECEK, James J.	Lafayette, Indiana
KREINBRINK, Clyde L.	Leipsic, Ohio
KREITZ, Paul B.	Akron, Ohio
KREUTZER, Alan F.	Hays, Kansas
KREUTZJANS, William A.	Fort Wright, Kentucky
KRIETER, Robert C.	Franklin Park, Illinois
KRIGBAUM, Henry S.	Marion, Ohio
KRIZMANIC, Raymond A.	Joliet, Illinois
KROEGER, Tom W.	Elgin, Illinois
KROLL, Robert J.	Chicago, Illinois
KRUSE, William F.	Decatur, Indiana
KRUSWICKI, Conrad R.	Chicago, Illinois
KRUTZLER, Edward A.	Chicago, Illinois
KUHFUSS, Charles S.	Chicago, Illinois
KUMMERER, Philip M.	Chicago, Illinois
KUNA, Thomas E.	Chicago, Illinois
KUNZER, John A.	Des Plaines, Illinois
KUNZLER, Robert A.	LaCrosse, Indiana
KUPKE, Eleanor M.	Francesville, Indiana
KUREK, Arthur J.	Ontario, Canada
KUZNIAR, Raymond J.	Chicago, Illinois
LABBE, Edward J.	Dover, New Hampshire
LaFONTAIN, Gerald W.	Fostoria, Ohio
LAIPPLY, Charles T.	Van Wert, Ohio
LAKOMECKI, Ted F.	Chicago, Illinois
LAMBKE, James G.	Elmwood Park, Illinois
LAMBKE, Joseph A.	Elmwood Park, Illinois
LAPADAT, Arthur D.	East Chicago, Indiana
LAREAU, Bernard E.	Beaverville, Illinois
LAREAU, Robert F.	Beaverville, Illinois
LARGER, Robert J.	Louisville, Kentucky
LARIMER, Richard E.	Chicago, Illinois
LAUDE, Edward J.	Chicago, Illinois

## 148 SAINT JOSEPH'S COLLEGE

LAUGHLIN, Michael P.	Chicago, Illinois
LAVERY, Raymond P.	Chicago, Illinois
LAWNZAK, Ronald L.	Joliet, Illinois
LAYDEN, John E.	Rensselaer, Indiana
LAZARSKI, Richard A.	Chicago, Illinois
LEHMANN, William O.	Louisville, Kentucky
LEITZOW, Clarence A.	Brook, Indiana
LENCIONI, Donald E.	Chicago, Illinois
LENDZION, Leonard R.	New Haven, Michigan
LENGERICH, Frederick A.	Monroe, Indiana
LENNANE, James P.	Grosse Pointe, Michigan
LEVICKI, John S.	Lakewood, Ohio
LEVRI, Fideles L.	Rural Valley, Pennsylvania
LEWANDOWSKI, Andrew P.	North Judson, Indiana
LEWANDOWSKI, Daniel M.	Chicago, Illinois
LEWIS, John J.	Kendallville, Indiana
LEWIS, Thomas F.	Kendallville, Indiana
LIGDA, Stephen M.	Gary, Indiana
LILEIKIS, Charles A.	Chicago Heights, Illinois
LILLICH, Joseph M.	Fort Wayne, Indiana
LIM, Young C.	Seoul, Korea
LIMP, Ted A.	Kentland, Indiana
LINDEMANN, Marga A.	Rensselaer, Indiana
LIPPIE, Robert J.	Whiting, Indiana
LISAK, Daniel J.	Michigan City, Indiana
LISZKA, Richard J.	Chicago, Illinois
LOESCH, Mathias, C.	Fort Wayne, Indiana
LONER, Paul S.	Logansport, Indiana
LOVELL, Leonard F.	Kentland, Indiana
LOZEN, Norman D.	Mt. Clemens, Michigan
LUBBINGA, Robert H.	Chicago, Illinois
LULEWICZ, John J.	Chicago, Illinois
LUTCHKA, John A.	Westville, Illinois
LUTZ, Raymond C.	Oak Park, Illinois
LYNCH, Gary A.	Remington, Indiana
LYNCH, Matthew J.	Chicago, Illinois
LYONS, Gerald J.	New Haven, Indiana
LYONS, John W.	Oak Park, Illinois
McADAMS, Thomas E.	Chicago, Illinois
McANDREWS, John J.	Chicago, Illinois
McARDLE, James M.	Chicago, Illinois
McCALLUM, Thomas K.	Medaryville, Indiana
McCAULEY, James W.	Manhasset, L.I., New York
McCAULEY, Lee T.	Cleveland, Ohio
McCAULEY, William J.	Chicago, Illinois
McCLOSKEY, Gil J.	Walled Lake, Michigan
McCLURE, John S.	Monon, Indiana
McCORMICK, William F.	Grand Ridge, Illinois
McCREA, William J.	DeLavan, Illinois
McCULLOUGH, James R.	Chicago, Illinois
McDERMOTT, David P.	Highland, Indiana
McDERMOTT, Edward P.	Detroit, Michigan
McDONALD, Michael J.	Columbus, Ohio
McDOWELL, William P.	Chicago, Illinois

## REGISTER OF STUDENTS 149

McFARLAND, Hugh J.	Lakewood, Ohio
McGEE, Edward P.	Chicago, Illinois
McGOVERN, Michael K.	Bellwood, Illinois
McGRATH, Robert A.	Joliet, Illinois
McGRUDER, Ernest E.	Indianapolis, Indiana
McINERNEY, Gerald J.	Chicago, Illinois
McINTOSH, Kenneth L.	Lincoln, Park, Michigan
McKAY, Lawrence A.	Downers Grove, Illinois
McKENNA, Robert D.	Chicago, Illinois
McKILLOP, Donald A.	Chicago, Illinois
McMAHON, James J.	Chicago, Illinois
McMAHON, James R.	Louisville, Kentucky
McMAHON, Lawrence W.	Long Beach, California
McMULLEN, Patrick J.	St. Joseph, Michigan
McNAMARA, Gerald M.	Orland Park, Illinois
McNAMARA, Michael P.	Decatur, Illinois
McNEVEN, David A.	Romeo, Michigan
McNICHOLAS, William J.	Chicago, Illinois
McSWEENEY, Francis H.	Chicago, Illinois
MADDEN, James J.	Chicago, Illinois
MADISON, Gary B.	Kankakee, Illinois
MADSEN, Michael D.	Chicago, Illinois
MAGEE, Alva J.	Rensselaer, Indiana
MAHER, Joseph P.	Chicago, Illinois
MAHONEY, Gregory J.	Oak Park, Illinois
MAKENAS, Joseph R.	Chicago, Illinois
MALIK, Francis S.	Peabody, Massachusetts
MALIS, William D.	Gary, Indiana
MALLEY, William J.	Buffalo, New York
MANDEVILLE, Edward J.	Rockford, Illinois
MANISZEWSKI, Edward C.	Chicago, Illinois
MANN, David K.	Villa Park, Illinois
MANNION, James E.	Oak Park, Illinois
MANOS, Joseph P.	Riverdale, Illinois
MANTEI, Erwin J.	Benton Harbor, Michigan
MARCHAL, George M.	Greenville, Ohio
MARIEN, Edward J.	Indianapolis, Indiana
MARINICH, Anthony J.	Canton, Illinois
MARIO, John A.	Gary, Indiana
MARKOWSKI, Louis J.	Celina, Ohio
MARSHALL, William J.	Evansville, Indiana
MARSHINO, James B.	Goodland, Indiana
MARTIN, Jon C.	Evanston, Illinois
MARTIN, Ralph E.	Chicago, Illinois
MARTIN, Roland F.	DeMotte, Indiana
MARTINO, Fred J.	Chicago, Illinois
MASCOTTE, John P.	Fort Wayne, Indiana
MASSURA, Edward A.	Chicago, Illinois
MATLON, Joseph C.	Lansing, Illinois
MATOKAR, Stephen M.	Chicago, Illinois
MATOVINA, Michael S.	Hammond, Indiana
MATTINGLY, Philip P.	Hardinsburg, Kentucky
MAUCH, Gerald R.	Fort Wayne, Indiana
MEDLIN, Robert C.	N.W. Canton, Ohio

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MEEHAN, Charles T.	Benton Harbor, Michigan
MEISTER, Richard J.	Gary, Indiana
MELLOH, William C.	Indianapolis, Indiana
MESARCH, Philip G.	Gary, Indiana
METTER, Ronald F.	Mt. Clemens, Michigan
METTLER, Michael C.	Fort Wayne, Indiana
MEUSER, Max B.	Princeton, Indiana
MICHELS, James K.	Aurora, Illinois
MICHNA, Charles G.	Denmark, Wisconsin
MIDNIGHT, Frank B.	Gary, Indiana
MIKEL, John B.	Chicago, Illinois
MILAS, John V.	Chicago, Illinois
MILLER, Kenneth H.	Culver, Indiana
MILLER, Theodore J.	Chicago, Illinois
MILLER, William C.	Fox River Grove, Illinois
MILLER, William R.	Chicago, Illinois
MIRABELLA, Samuel N.	Chicago, Illinois
MITALO, Vito A.	Chicago, Illinois
MITCHELL, Gtorge J.	Pittsburgh, Pennsylvania
MOLL, Donald A.	Park Forest, Illinois
MOLONEY, Thomas J.	Marion, Ohio
MONCZYNSKI, Fred J.	Chicago, Illinois
MONTEMURRO, James A.	Chicago, Illinois
MOORE, William W.	Chicago, Illinois
MOORMAN, Ronald H.	Minster, Ohio
MORAN, Francis T.	Chicago, Illinois
MORIARTY, William J.	Birmingham, Michigan
MORLEY, John M.	Schererville, Indiana
MORRIS, Philip A.	New York, New York
MORRISON, James W.	Simons Island, Georgia
MORTENSEN, Lawrence J.	Chicago, Illinois
MOULTHROP, James S.	DuBois, Pennsylvania
MOYER, James J.	Lima, Ohio
MOYNAHAN, Gerald F.	Newburyport, Massachusetts
MUDD, Dennis I.	Skokie, Illinois
MUELLER, Albert J.	Round Lake Park, Illinois
MUELLER, Arthur J.	Delphos, Ohio
MUELLER, Gerald F.	Royal Oak, Michigan
MUELLER, Roger E.	St. Louis, Missouri
MULLADY, Michael T.	New Philadelphia, Ohio
MULVANEY, John E.	Chicago, Illinois
MURPHY, Bernard J.	Chicago, Illinois
MURPHY, Daniel J.	Chicago, Illinois
MURPHY, Henry J.	Chicago, Illinois
MURPHY, James E.	Homewood, Illinois
MURPHY, Michael J.	Winchester, Massachusetts
MURRAY, John M.	Lorain, Ohio
MURRAY, Peter J.	Lorain, Ohio
MYERS, Charles K.	Canton, Ohio
MYERS, James R.	Galion, Ohio
NAHNSEN, John F.	Chicago, Illinois
NASEMAN, Alfred E.	Dayton, Ohio
NAVIN, Leo J.	Detroit, Michigan
NAWROCKI, Stanley J.	Gary, Indiana

## REGISTER OF STUDENTS 151

NEDZA, Walter J.	Chicago, Illinois
NEFF, John C.	Akron, Ohio
NEMETH, Oscar E.	North Liberty, Indiana
NETKO, Norman W.	Chicago, Illinois
NETT, Elmer A.	Fond du Lac, Wisconsin
NEWETT, Robert J.	Berwyn, Illinois
NIEMEYER, James E.	Teutopolis, Illinois
NIETZEL, Richard W.	Chicago, Illinois
NOGGLE, Michael F.	Camp Hill, Pennsylvania
NOLTEMEYER, Norman V.	Louisville, Kentucky
NOMINA, Francis J.	Delpho, Ohio
NOMMESCH, John P.	Chicago, Illinois
NORDENBROCK, John B.	Fort Recovery, Ohio
NORMAN, David A.	Rensselaer, Indiana
NORRIS, John F.	Chicago, Illinois

O'BRIEN, Thomas D.	Leonia, New Jersey
O'CONNOR, Barrett J.	Elgin, Illinois
O'CONNOR, Maurice C.	Evansville, Indiana
O'CONNOR, Patrick J.	Logansport, Indiana
O'CONNOR, Thomas L.	Kankakee, Illinois
O'DONNELL, Bernard E.	Anderson, Indiana
O'DONNELL, Patrick J.	Cleveland, Ohio
OEFFINGER, James A.	New Albany, Indiana
OEHMKE, Robert C.	St. Clair, Michigan
OHDE, John A.	Chicago, Illinois
OLINGER, John L.	Ferdinand, Indiana
OLIVER, Raymond S.	Decatur, Illinois
O'NEILL, Patrick J.	Willard, Ohio
OPARA, Patrick U.	Nigeria, Africa
O'REILLY, Donald L.	Kankakee, Illinois
OSBURN, Ronald C.	Lombard, Illinois
OSMULSKI, Richard J.	Hammond, Indiana

PAGE, Thomas F.	Chicago, Illinois
PAGLIA, James L.	Irvington, New Jersey
PAJKOWSKI, Eugene T.	South Bend, Indiana
PANOZZA, Ronald D.	Tinley Park, Illinois
PARIS, Elmer L.	Winamac, Indiana
PARIS, Joseph J.	Schererville, Indiana
PARISO, Victor V.	Elmwood Park, Illinois
PARROTT, Evan H.	Lebanon, Kentucky
PAVLINA, Kenneth G.	Whiting, Indiana
PAWLUS, George L.	Chicago, Illinois
PENDER, James P.	Highland Park, Illinois
PEPPING, Bernard J.	Chicago, Illinois
PEREZ, Jose M.	Caquas, Puerto Rico
PEREZ, Julian F.	East Chicago, Indiana
PERRY, William G.	Fort Wayne, Indiana
PESARESI, Daniel J.	Winamac, Indiana
PETRYNIEC, Michael A.	Chicago, Illinois
PETUSKEY, John A.	Roselle, New Jersey
PHELPS, Marian A.	Rensselaer, Indiana
PHILLIPS, Patricia A.	Rensselaer, Indiana

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PICTOR, Henry A.	Schererville, Indiana
PIERMATTEI, Ronald J.	Hinsdale, Illinois
PILON, Joseph E.	Fond du Lac, Wisconsin
PILOTTE, Clifford A.	St. Anne, Illinois
FIOTROWSKI, Walter E.	LaPorte, Indiana
PIRIANO, Joseph F.	Chicago, Illinois
PLEVA, Ted A.	Ontario, Canada
POPP, John Jr.	East Chicago, Indiana
PORTER, Charles K.	Chicago, Illinois
PORTZ, Richard P.	Munster, Indiana
FOWE, Richard J.	Pontiac, Michigan
POWERS, Mark J.	Chicago, Illinois
POWERS, William E.	Glenview, Illinois
PRICE, Richard C.	Chicago, Illinois
PRYSTALSKI, Edmund F.	Chicago, Illinois
PUOCI, Anthony P.	Chicago, Illinois
PURCELL, Alan V.	Oregon, Wisconsin

QUARTUCH, Joseph S.	Michigan City, Indiana
QUBECK, Eileen C.	Rensselaer, Indiana
QUINN, Jim F.	East Chicago, Indiana
QUINN, John J.	Chicago, Illinois
QUINN, William B.	Chicago, Illinois

RAFFERTY, George F.	Canton, Ohio
RAINIER, Joseph B.	Fowler, Indiana
RALEY, Joseph B.	Lebanon, Kentucky
RAMESH, Robert P.	Whiting, Indiana
RAMSEY, Don G.	Michigan City, Indiana
RAMIREZ, Raymond R.	Springfield, Illinois
RAPPEL, John P.	Chicago, Illinois
RASORI, Joseph A.	Chicago, Illinois
RASTIGUE, Frank T.	Mt. Clemens, Michigan
RATKOVIC, John B.	Chicago, Illinois
RATTONETTI, Joseph A.	Westville, Illinois
RAYMOND, Gene P.	Muncie, Indiana
RAYMOND, Jack T.	Watseka, Illinois
REDELMAN, Roger L.	Kouts, Indiana
REGAN, Donald R.	Chicago, Illinois
REGAN, James P.	Flushing, New York
REGRNER, Raymond F.	Paramount, California
REICHWEIN, Carl A.	Indianapolis, Indiana
REUBLIN, Barry M.	Ft. Knox, Kentucky
RICHARD, Joseph A.	Mishawaka, Indiana
RICHARDS, Robert E.	Chicago, Illinois
RIEDY, James A.	Naperville, Illinois
RIEGLE, William E.	Kentland, Indiana
RIFFE, William B.	Anderson, Indiana
RILEY, Michael D.	Indianapolis, Indiana
RING, William J.	Marion, Ohio
ROACH, John E.	Joliet, Illinois
ROEMER, Thomas F.	Highland Park, Illinois
ROGERS, James V.	LaGrange Park, Illinois
ROGOVICH, Daniel L.	Chicago, Illinois

## REGISTER OF STUDENTS 153

ROHLFS, Henry D.	Yonkers, New York
ROMANYAK, John F.	Gary, Indiana
ROMO, Richard A.	Long Beach, California
ROOS, Victor C.	Jasper, Indiana
ROSE, Thomas L.	Goshen, Indiana
ROSICH, Anthony G.	Chicago, Illinois
ROSINSKI, Martin J.	Calumet City, Illinois
ROSPENDA, Robert E.	Chicago, Illinois
ROSS, James S.	St. Joseph, Michigan
ROSS, Paul S.	New London, Wisconsin
ROSSMANITH, Walter W.	Rensselaer, Indiana
ROSSO, Sam L.	Lorain, Ohio
ROSSWURM, Richard H.	New Haven, Indiana
ROTH, Edmund A.	Chicago, Illinois
ROUCHKA, Thomas E.	Sedalia, Missouri
RUDASICS, Anthony J.	South Bend, Indiana
RUEL, Philip T.	Chicago, Illinois
RUPPE, Edward C.	South Bend, Indiana
RUPPE, Paul J.	South Bend, Indiana
RUSSO, Anthony M.	Chicago, Illinois
RUZICKA, Gerald E.	Warrenville, Illinois
RYAN, Dennis E.	Sandusky, Ohio
RYAN, Edward J.	Highland, Indiana
ST. ARMOUR, James L.	Chicago, Illinois
ST. PETER, Francis X.	Menominee, Michigan
SABADOS, Theodore J.	Parma, Ohio
SADOWSKI, John	Chicago, Illinois
SALMON, Michael J.	Michigan City, Indiana
SALVO, Vincent J.	Cambria Heights, New York
SATCHWILL, Herbert W.	Rensselaer, Indiana
SAVINO, Alfred P.	River Forest, Illinois
SCHAAB, Dennis A.	Fort Wayne, Indiana
SCHADEN, Kenneth E.	Norridge, Illinois
SCHEER, Luke J.	Royal Oak, Michigan
SCHENK, John R.	Dale, Indiana
SCHERER, Gary M.	Portsmouth, Ohio
SCHIRTZINGER, John R.	Columbus, Ohio
SCHLAFFKE, Edward M.	Wichita Falls, Texas
SCHMIDT, Clifford J.	Syosset, New York
SCHMIDT, Henry J.	Shaker Hts., Ohio
SCHMIDT, Paul F.	Culver, Indiana
SCHMIDT, William L.	Lemont, Illinois
SCHNEIDER, Gerald A.	Evansville, Indiana
SCHOENBAUM, Thomas J.	River Forest, Illinois
SCHOLTES, James A.	Joliet, Illinois
SCHROEDER, Richard P.	Chicago, Illinois
SCHUDEL, John L.	Decatur, Illinois
SCHUETTE, James D.	Goodland, Indiana
SCHUIT, James R.	Chicago, Illinois
SCHULLER, Richard J.	Chicago, Illinois
SCHULTZ, Walter S.	Whiting, Indiana
SCIPTA, Kenneth E.	Chicago, Illinois
SCOTT, Roger J.	Chicago, Illinois
SEIKEL, Gerald D.	Canton, Ohio

## 154 SAINT JOSEPH'S COLLEGE

SEKLECKI, Lawrence A.	Chicago, Illinois
SEMANCIK, Jerome D.	Whiting, Indiana
SENA, Patrick J.	Detroit, Michigan
SEPUTIS, Charles R.	Chicago, Illinois
SEROCZYNSKI, Philip A.	Hammond, Indiana
SEROCZYNSKI, Thomas J.	Hammond, Indiana
SERTICH, Thomas G.	Chicago, Illinois
SHANNON, Martin J.	Chicago, Illinois
SHAW, Richard H.	Lansing, Michigan
SHEAHAN, John T.	Chicago, Illinois
SHERWOOD, Henry M.	Crown Point, Indiana
SHIELDS, James G.	Medaryville, Indiana
SHORTY, Jimmy C.	Gallup, New Mexico
SHUHET, Raymond M.	Ontario, Canada
SICLAIR, Lawrence R.	Galion, Ohio
SIDOR, Donald J.	Chicago, Illinois
SIENKO, William J.	Middletown, Connecticut
SIKORA, James J.	Fairview Park, Ohio
SIMONS, James W.	Chicago, Illinois
SIMON, Paul W.	East Lansing, Michigan
SIMON, Peter F.	Elmhurst, Illinois
SUMS, Marion H.	Celina, Ohio
SINGELMANN, Thomas O.	Chicago, Illinois
SINGLETON, David N.	Linton, Indiana
SIODLARZ, Walter M.	Ontario, Canada
SKURKIS, Albert R.	Cicero, Illinois
SLADESKI, Peter E.	Philadelphia, Pennsylvania
SMAT, Robert J.	Chicago, Illinois
SMITH, Charles W.	Skokie, Illinois
CMITH, Cosmas E.	Crown Point, Indiana
SMITH, John S.	Greenville, Kentucky
SMITH, Jon T.	Marion, Ohio
SMITH, Philip M.	Des Plaines, Illinois
SMITH, Richard J.	Gary, Indiana
SMITH, Richard W.	Chicago, Illinois
SMOLEN, Thomas J.	Whiting, Indiana
SNYDER, David J.	Chicago, Illinois
SOKOLOWSKI, Roman G.	Chicago, Illinois
SORG, Thomas J.	Fort Wayne, Indiana
SPIELMAN, Charles E.	Canton, Ohio
SPILLY, Alphonse P.	Whiting, Indiana
SPRAUL, William D.	Troy, Ohio
SPYCHALSKI, John C.	Michigan City, Indiana
STACK, Gary P.	Elmwood Park, Illinois
STAGER, David H.	Cleveland, Ohio
STANCUKAS, Stanley J.	Cicero, Illinois
STARSHAK, Edward J.	Lombard, Illinois
STAZY, Donald F.	Chicago, Illinois
STEC, Albert J.	East Chicago, Indiana
STEFANIAK, Thomas P.	Calumet City, Illinois
STELZER, Kenneth A.	Celina, Ohio
STEPHAN, Gerald F.	Gary, Indiana
STEVENSON, Joseph L.	LeRoy, New York
STEWART, Robert J.	Chicago, Illinois
STIEMAN, John R.	Chicago, Illinois

REGISTER OF STUDENTS 155

STILL, Richard R.	Dennison, Ohio
STOCK, Charles R.	Creve Coeur, Missouri
STOLZ, Paul R.	Westbury, New York
STRAUSER, John F.	Sheffield Lake, Ohio
STROPKO, John J.	Cleveland, Ohio
STRZELCZYK, Joseph W.	Argo, Illinois
STUKENBORG, Bernard A.	Donaldson, Indiana
STUKENBORG, Henry A.	Donaldson, Indiana
SUAREZ, Roberto L.	La Paz, Bolivia
SUEDKAMP, William F.	Hamilton, Ohio
SULA, Paul P.	Chicago, Illinois
SULLIVAN, James E.	Chicago, Illinois
SULLIVAN, James P.	River Forest, Illinois
SULLIVAN, LeRoy E.	Maywood, Illinois
SULLIVAN, Robert W.	Anderson, Indiana
SULLIVAN, Timothy J.	Coraopolis, Pennsylvania
SUTTER, Richard P.	Strongsville, Ohio
SWANK, Charles M.	Loconia, Indiana
SYRON, Frank G.	Pontiac, Michigan
 TALAGA, Thomas E.	Gary, Indiana
TALBOTT, John D.	Louisville, Kentucky
TAM, Luke Yee Yat	Kowloon, Hong Kong
TATAREK, Gerald D.	Hammond, Indiana
TATRO, John M.	Martinton, Illinois
TATUM, Philip R.	Lebanon, Kentucky
TEGTMAYER, James O.	Pekin, Illinois
TENFELDE, Richard R.	Chicago, Illinois
TENNANT, Raymond W.	Joliet, Illinois
TETRAULT, David J.	Bourbonnais, Illinois
THIEDE, Peter L.	Detroit, Michigan
THOMA, Thomas G.	Springfield, Illinois
THOMAS, Edwin L.	Chicago, Illinois
THOMAS, Roger P.	Wyandotte, Michigan
THOMPSON, Ennis G.	Elkhart, Indiana
TIERNEY, John W.	Columbus, Ohio
TIERNEY, Michael J.	Chicago, Illinois
TIERNEY, Thomas F.	Chicago, Illinois
TILTON, John C.	Rensselaer, Indiana
TINSLEY, Thomas R.	South Haven, Michigan
TOAN, Nguyen	Chicago, Illinois
TOEPP, James E.	South Bend, Indiana
TOLICK, Robert W.	Chicago, Illinois
Tomlin, Ralph J.	Peoria, Illinois
TOOLE, John F.	Chicago, Illinois
TRAINOR, James B.	Cincinnati, Ohio
TRAPP, Raymond R.	Chicago, Illinois
TRYZNA, Joseph J.	Chicago, Illinois
TUMBARELLO, Anthony F.	Chicago, Illinois
TUNNEY, Eugene P.	Chicago, Illinois
TYLKA, Edward T.	Chicago Heights, Illinois
 UECKER, Thomas J.	Fort Wayne, Indiana
ULICNEY, John P.	Youngstown, Ohio

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ULLO, Philip P.	Chicago, Illinois
URBAN, Ronald F.	Chicago, Illinois
URIG, Robert A.	Elyria, Ohio

VALENTE, Edwin F.	Chicago, Illinois
VALLIN, Richard T.	Racine, Wisconsin
VALLONE, Michael J.	Chicago, Illinois
VANDER LEY, John W.	Chicago, Illinois
VAN LEIRSBURG, Dean A.	St. Charles, Illinois
VAN MALDEGIAM, Norman E.	Chicago, Illinois
VAN METER, Paul D.	Indianapolis, Indiana
VAN OSDOL, Tom D.	Warsaw, Indiana
VAUGHN, Charles F.	Rockford, Illinois
VEOME, Edmond A.	Chicago, Illinois
VERDEYEN, David L.	Gary, Indiana
VERLODT, James J.	Mishawaka, Indiana
VESPER, Nicholas J.	Chicago, Illinois
VICKERY, James R.	Bradley, Illinois
VOGEL, John H.	Lima, Ohio
VOGT, Richard L.	Delphos, Ohio
VOLKMANN, William F.	Hammond, Indiana
VOLLENWEIDER, Gary L.	East Moline, Illinois
VOMISH, Richard C.	Hammond, Indiana
VON BAMPUS, James F.	Chicago, Illinois
VOSS, Henry H.	Homewood, Illinois
VRDOLYAK, Edward R.	Chicago, Illinois

WADAS, James J.	Chicago, Illinois
WAGNER, Judith Ann	Remington, Indiana
WAGNER, Richard D.	Albany, Indiana
WALKER, Gerald F.	Evergreen Park, Illinois
WALKER, James E.	Kentland, Indiana
WALSH, Matthew P.	Chicago, Illinois
WALSH, William J.	Louisville, Kentucky
WARD, Michael V.	Cassopolis, Michigan
WARNER, Peter O.	Elgin, Illinois
WATERS, Martin J.	Rego Park, New York
WATLING, John A.	Lorain, Ohio
WATSON, Joseph M.	Philadelphia, Pennsylvania
WEBER, Frederick R.	Chicago, Illinois
WEBER, Joseph D.	Ingraham, Illinois
WELLS, Edgar H.	Ft. Lauderdale, Florida
WEST, Arthur C.	Chicago, Illinois
WESTERMAN, James R.	Ontario, Canada
WHALEY, Marilyn M.	Brook, Indiana
WHALEY, Particia J.	Morocco, Indiana
WHITE, George F.	Brook, Indiana
WHITLOW, Allan G.	Michigan City, Indiana
WIERER, Anthony J.	Chicago, Illinois
WILBURN, William N.	Pittsburgh, Pennsylvania
WILD, Joseph G.	Lancaster, New York
WILKINSON, Daniel F.	Chicago, Illinois
WILLIAMS, Gene R.	Chicago, Illinois
WILLIAMS, Larry E.	Indianapolis, Indiana

## REGISTER OF STUDENTS 157

WILLIAMS, Robert A.	Indianapolis, Indiana
WILMORE, Elister L.	Evanston, Illinois
WILSON, Charles E.	Indianapolis, Indiana
WINANS, Richard K.	Joliet, Illinois
WINNER, Floyd C.	Fort Loramie, Ohio
WINNER, Nicholas J.	Fort Loramie, Ohio
WOJCIK, Albert J.	Chicago, Illinois
WOLF, James J.	Fort Wayne, Indiana
WOLF, John R.	Logansport, Indiana
WOLSON, Raymond D.	Chicago, Illinois
WOODING, Philip C.	Chicago, Illinois
WORDEN, James C.	Rensselaer, Indiana
WORICK, Willis E.	Sodus, Michigan
WROBEL, George E.	Chicago, Illinois
YANAN, James P.	Chicago, Illinois
YARRIS, Charles E.	Fostoria, Ohio
YATES, Thomas P.	Manteno, Illinois
YOUNG, Michael F.	Chicago, Illinois
ZAHONYI, Raphael B.	Cleveland, Ohio
ZAK, Charles R.	Chicago, Illinois
ZAMMIT, Pius P.	Detroit, Michigan
ZEYEN, James J.	Fostoria, Ohio
ZIELINSKI, Arthur C.	South Bend, Indiana
ZIMMER, Leonard P.	Chicago, Illinois
ZLEIT, William E.	Kansas City, Missouri
ZMORA, Wendel W.	Evergreen Park, Illinois
ZOKIE, James C.	Chicago, Illinois
ZOLECKI, Joseph H.	Milwaukee, Wisconsin
ZUMBIEL, Paul J.	Ft. Mitchell, Kentucky
ZURAD, Robert S.	East Chicago, Indiana
ZURAWSKI, Thaddeus J.	Chicago, Illinois
ZYCK, Donald J.	Chicago, Illinois

### GEOGRAPHICAL DISTRIBUTION OF STUDENTS

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FLORIDA	2	SOUTH DAKOTA	1
GEORGIA	2	TEXAS	1
ILLINOIS	470	VIRGINIA	4
INDIANA	269	WISCONSIN	12
KANSAS	3	BOLIVIA	1
KENTUCKY	21	CANADA	5
MAINE	1	GUAM	1
MASSACHUSETTS	3	HONG KONG	1
MICHIGAN	76	KOREA	1
MISSOURI	8	NIGERIA	1
NEW HAMPSHIRE	2	PUERTO RICO	1
NEW JERSEY	2	VIETNAM	1
		TOTAL	1046

## APPENDIX II.

## DEGREES, HONORS AND AWARDS: June 8, 1958

## DOCTOR OF LAWS, HONORIS CAUSA

Most Reverend John J. Carberry, Ph.D., S.T.D., J.C.D.  
Bishop of the Diocese of Lafayette in Indiana

## DOCTOR OF LETTERS, HONORIS CAUSA

Paul C. Tonner, B.Mus.

Byron William Andorfer, B.S. Accounting	Fort Wayne, Indiana
James Wagner Archer, B.A., History	Twin Branch, W. Virginia
Anthony Francis Baldin, B.S., Marketing	Hammond, Indiana
Joseph John Baldwin, B.S., Marketing	Hammond, Indiana
Fred J. Bauer, B.S., Accounting	Monterey, Indiana
John William Bian, B.S., Marketing*	Elmhurst, Illinois
Alfred Peter Bianucci, B.S., Accounting*	Cum Laude Cicero, Illinois
John Matthew Biel, B.S., Marketing	Whiting, Indiana
Thomas J. Biel, B.A., Economics	Whiting, Indiana
William Michael Bleakley, B.A., English	Lafayette, Indiana
Frank Joseph Blenke, B.S., General Business	Denham, Indiana
Richard Joseph Bodney, B.A., English-Journalism	Whiting, Indiana
Larry Jerome Boylson, B.A., Geology	Tuscola, Illinois
William Nicholas Brinkman, B.S., Education	Dayton, Ohio
John Reynolds Burke, B.S., Accounting* Summa Cum Laude	Evansville, Indiana
Patrick L. Butler, B.S., Biology	Forest Park, Illinois
Emil Caballero, B.S., Marketing	Aquas Buenas, Puerto Rico
Lawrence Paul Carie, B.S., Physical Education	Vincennes, Indiana
Donald E. Cebulski, B.A., Geology	Chicago, Illinois
Robert E. Christen, B.S., Accounting*	Fort Wayne, Indiana
John Richard Cochran, B.S., Marketing	Gary, Indiana
Ronald Leo Cole B.S., Education	Elwood, Indiana
Peter Joseph Conroy, B.A., Geology	Chicago, Illinois
Donald Richard Curry, B.S., Accounting	Chicago, Illinois

\*Nominated to Who's Who Among Students in American Colleges and Universities.

## DEGREES, HONORS AND AWARDS 159

Joseph Xavier Dalla-Betta, B.A., History	Taylorville, Illinois
Paul Joseph Danko, B.S., General Business	Gary, Indiana
James Earl Deahl, B.S., Marketing	Fort Wayne, Indiana
Thomas Edwin DeBolt, B.A., Economics	Decatur, Indiana
James Simon Elbert, B.S., Physical Education	Goodland, Indiana
Richard Reiter Festle, B.S., General Business	Chicago, Illinois
Keith Allan Fingerhut, B.S., General Business	North Judson, Indiana
Patrick Fergus Ford, B.S., Marketing	Chicago, Illinois
William Henry Franz, B.S., Accounting	Gary, Indiana
Michael C. Friburg, B.A., Economics	Lombard, Illinois
Thomas Francis Fruehe, B.A., Philosophy* Cum Laude	Lombard, Illinois
Robert Paul Gehring, B.S., General Business	North Judson, Indiana
Robert Dale Hamman, B.S., Marketing	Kentland, Indiana
Michael Albion Hardin, B.A., English	Indianapolis, Indiana
Kevin C. Hensley, B.S., Biology*	Munster, Indiana
Gregory Joseph Jancich, B.A., History*	Whiting, Indiana
Leonard David Kasperowicz, B.S., Biology	Hamtramck, Michigan
Neal Brendan Kellinher, B.A., English	Chicago, Illinois
Robert F. Kilbourne, B.S., General Business	Elmhurst, Illinois
John Kenneth Klimcak, B.S., General Business	Chicago, Illinois
Louis Joseph Kun, B.A., History* Cum Laude	Fords, New Jersey
Jerome Edward Lachnicht, B.A., Economics* Cum Laude	LeRoy, New York
Michael James Lackovic, B.S. Geology	Riverside, Illinois
Charles Eugene Lancaster, B.A., History*	Lebanon, Kentucky
Chiu Fay (Robert) Li, B.A., Geology	Rua Jose, Sao Paulo, Brazil
Francis Patrick Loftus, B.S., Biology	Chicago, Illinois
George M. Lux, B.A., English	Chicago, Illinois
Patrick Joseph Lynch, B.A., Economics	Elkhart, Indiana
William Joseph McCarthy, B.S., Marketing	Chicago, Illinois
Donald Joseph McCoy, B.A., History	Evansville, Indiana
Thomas F. Mahoney, B.A., English Cum Laude	Chicago, Illinois
Charles Joseph Malone, B.S., Accounting	Chicago, Illinois
Thomas Michael Mario, B.S., Mathematics	Gary, Indiana
George Anthony Melone, B.A., History	Chicago, Illinois
LeRoy William Metker, B.A., Biology	Fort Wayne, Indiana
Francis P. Mulcahey, B.S., Physical Education	Allerton, Illinois
James Aloysius O'Brien, B.A., English* Summa Cum Laude	Cincinnati, Ohio

\* Nominated to Who's Who Among Students in American Colleges and Universities.

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Robert Edward O'Brien, B.A., History	Chicago, Illinois
Richard Wallace Oehmke, B.S., Chemistry <b>Cum Laude</b>	St. Clair, Michigan
Terrence J. O'Hagan, B.A., History	Dearborn, Michigan
John Patrick O'Neil, B.S., Biology-Chemistry	Joliet, Illinois
John Phillip O'Neil, B.S., Physical Education	Goodland, Indiana
Victor Don Palmer, B.S., Accounting	Michigan City, Indiana
Joseph M. Ponko, B.A., Geology <b>Magna Cum Laude</b>	Chicago, Illinois
George Arthur Rickord, B.S., General Business	Chicago, Illinois
Martin Desmond Ryan, B.A., Sociology	Waukegan, Illinois
Thomas Kevin Ryan, B.A., English	Waukegan, Illinois
Joseph Raymond Sack, B.S., Marketing	Adrian, Michigan
John Michael Scheer, B.S., Marketing	Chicago, Illinois
Ronald Frank Schuler, B.S., Accounting	Batavia, Illinois
Peter Lawrence Schumacher, B.S., Gen. Business	South Bend, Indiana
George Allen Sherwood, B.A., Philosophy	Long Beach, California
James Joseph Sobota, B.S., Accounting <b>Cum Laude</b>	Munster, Indiana
Francis Anthony Strezo, B.A., History* <b>Cum Laude</b>	East Chicago, Indiana
Thomas Bernard Stucker, B.A., Biology-Chemistry	Chicago, Illinois
Urban Albert Thobe, B.A., Philosophy* <b>Magna Cum Laude</b>	Dayton, Ohio
Theodore Thomas, Jr., B.A., English	Hammond, Indiana
James Hardy Thureson, B.S., Marketing	Miami, Florida
Irwin S. Urban, B.S., Mathematics	Kalamazoo, Michigan
James B. Urban, B.S., Geology	Monticello, Indiana
Robert Joseph Valencik, B.S., Marketing	Whiting, Indiana
Irving Joseph Valente, B.S., General Business	Chicago, Illinois
Huan Giao Vo, B.A., Economics	Saigon, Vietnam
Daniel Robert Waber, B.S., Marketing	Chicago, Illinois
James Edwin Walker, B.A., History <b>Magna Cum Laude</b>	Kentland, Indiana
John Martin Walsh, B.S., Accounting	Chicago, Illinois
William Joseph Walsh, B.S., Marketing	Chicago, Illinois
William Ronald Walters, B.A., History* <b>Cum Laude</b>	Hammond, Indiana
Terrence O'Donnell Wetmore, B.S., General Business	Fort Wayne, Indiana
William Paul Wolfe, B.A., History	Elmhurst, Illinois
Joseph William Wonderly, B.A., Economics*	Huntington, Indiana
Gregory Kar-Yiu Yuen, B.S., Biology	Hong Kong

\* Nominated to **Who's Who Among Students in American Colleges and Universities.**

DEGREES CONFERRED—August 1, 1958

Sister Mary Sebastian Bednowicz, S.S.N.D., B.A., Theology	Milwaukee, Wisconsin
Sister Saint Irene of the Angels Cote, C.N.D., Certificate in Theology	Kankakee, Illinois
John Vincent De Laurentis, B.S., Marketing Chicago Heights, Illinois	
Sister Mary Eileen Garvey, S.S.N.D., B.A., Theology	Milwaukee, Wisconsin
Cyril M. Gulassa, B.A., English, Cum Laude	Monticello, Indiana
Sister Mary Seraphica Kelley, B.V.M., B.A., Theology	Chicago, Illinois
Sister Mary Mercedes Moore, O.S.B., B.A., Theology	Chicago, Illinois
Sister Mary Joseph Claire Moringer, C.P.P.S., B.A., Theology, Summa Cum Laude	Dayton, Ohio
David Dean Neville, B.A., Mathematics-Physics	Dwight, Illinois
Frank John Wittry, B.A., Mathematics-Physics	Aurora, Illinois
Sister Mary Victoria Zadlo, O.S.F., Certificate in Theology	Sylvania, Ohio

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DEGREES CONFERRED—February 1, 1959

Victor A. Bartel, B.A., Geology	Chicago, Illinois
Jerome James Bosch, B.A., English-Journalism*	Chicago, Illinois
Richard G. Conlin, B.A., History	Gary, Indiana
Edward Bruce Fech, B.A., Sociology	Whiting, Indiana
Thomas Walter Geary, B.S., General Business	Chicago, Illinois
Ronald Peter Giometti, B.S., Marketing	East Chicago, Indiana
John Willis Hammer, B.S., General Business	Canal Fulton, Ohio
Daniel James Heckman, B.A., History	Glandorf, Ohio
Thomas Joseph Huhn, B.S., Marketing	Fort Wayne, Indiana
James Michael Huntine, B.S., Marketing	Fort Wayne, Indiana
Richard Francis Koch, B.S., Mathematics-Physics Cum Laude	Mt. Prospect, Illinois
Edward M. Kolaczyk, B.A., Mathematics-Physics	Niles, Michigan
Frank Albert Kopanda, B.A., History	East Chicago, Indiana
Don C. Kortepeter, B.S., General Business Cum Laude	Indianapolis, Indiana
Carl Joseph Kozlevcar, B.S., Marketing	Joliet, Illinois
William Francis Kruse, B.A., Biology-Chemistry	Decatur, Indiana
Leonard Floyd Lovell, B.S., Marketing	Kentland, Indiana
Edward Patrick McDermott, B.A., Biology	Detroit, Michigan
Max Jerry McRoberts, B.S., Education	Schneider, Indiana
Robert Joseph Newett, B.S., Mathematics	Berwyn, Illinois
Raymond Robert Ramirez, B.S., Physical Science	Springfield, Illinois
Paul F. Schmidt, B.S., Mathematics	Culver, Indiana
George Franklin White, B.S., Marketing	Brook, Indiana
John R. Wolf, B.S., General Business	Logansport, Indiana

\* Nominated to Who's Who Among Students in American Colleges and Universities.

**HONORS AND AWARDS: 1958-1959**

**Delta Epsilon Sigma**

**National Catholic Honors Society**

**Class of 1958**

Alfred Peter Biaucci, B.S.	Joseph M. Ponko, B.A.
John Crackel, B.A. cand.	James Joseph Sobota, B.S.
Thomas Francis Fruehe, B.A.	Thomas Bernard Stucker, B.A.
Cyril M. Gulassa, B.A. cand.	Urban Albert Thobe, B.A.
Kevin C. Hensley, B.S.	Irwin S. Urban, B.S.
Edward M. Kolaczyk, B.A. cand.	James Edwin Walker, B.A.
Jerome Edward Lachnicht, B.A.	William Ronald Walters, B.A.

Faculty members: Robert J. Kreyche, Ph.D.

Adam P. Lesinsky, M.M.

**The Mary J. Pursley Award for Creative Writing**

Donor: The Most Reverend Leo A. Pursley, D.D., LL.D., '21

First Prize: Ronald H. Moorman

Second Prize: Thomas F. Mahoney, B.A.

**The Alumni Essay Award**

Donor: Saint Joseph's College Alumni Association

First Prize: Cyril M. Gulassa

Second Prize: Ronald H. Moorman

**The Hanley Science Award**

Donor: Mr. William A. Hanley, D.Eng., LL.D., '08, Indianapolis, Ind.

First Prize: Raymond W. Tennant

Second Prize: Edward P. McDermott

**The Conroy Oratory Medal and Speech Award**

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First Prize: John P. Mascotte

Second Prize: Eugene F. Wible

Third Prize: William J. McCrea

Fourth Prize: Francis A. Krupa

**The Louis F. White Memorial Award**

Donor: The Saint Joseph's College Glee Club

Terrance J. O'Hagan, B.A.

**The John P. Hruzik Geology Award**

Donor: Geology Department of Saint Joseph's College

James B. Urban, B.S.

**The Indiana Association of Certified Public Accountants**

**Annual Award**

Robert E. Christen, B.S.

## APPENDIX III.

## ALUMNI ASSOCIATION

Organized June 17, 1896, after the charter class of 1891 was graduated, the Alumni Association of Saint Joseph's College was established to foster the ties of friendship and cooperation that develop during students days. Membership is not limited to graduates; any former student who leaves in good standing automatically becomes an alumnus. The national secretary publishes a monthly bulletin, significantly named **Contact**, which is mailed to all members of the association. Alumni are invited to "open house" each year on the first convenient week-end after commencement, special invitations going out to classes commemorating respectively the fifth, tenth, fifteenth, twentieth, and twenty-fifth anniversary of their commencement day. The homecoming football game in the autumn is followed by a dance.

## GIFTS AND BEQUESTS

Gifts and bequests of money, securities or real estate are gratefully received by Saint Joseph's College. Many additions have thus been made to the resources of the institution.

To serve the College in this way it is not necessary to make a large bequest. There are doubtless many who without injury to family or other interests could bequeath \$500, \$1,000, or \$5,000; and some who might bequeath a much larger sum.

Unless other use is specified, it is the general policy of the institution to designate funds so given as a part of the permanent endowment of the institution.

In order to be valid in most states, a will must be signed by the testator in the presence of at least two disinterested witnesses who should attest the instrument as such witnesses.

## FORM OF GENERAL BEQUEST

I hereby give and bequeath to the Board of Control of Saint Joseph's College, situated at Collegeville, Indiana, and to their successors forever, for the use of said institution in fulfillment of its general corporate purposes. (State here the sum of money which you desire to give, or describe the property or securities constituting the bequest.)

## ANNUITIES

Anyone desiring to further the education of Catholic youth and the progress of training under Catholic auspices through the annuity plan may secure detailed information concerning the plan sponsored by Saint Joseph's College by writing to the Very Reverend President, College, Indiana.

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## DIRECTORY

Rensselaer, a city of five thousand, is situated in northwestern Indiana. On the Monon Route (Chicago, Indianapolis, and Louisville Railway), it is 73 miles southeast of Chicago, 50 miles southeast of Hammond, Indiana. Approached from the south, it is 110 miles northwest of Indianapolis, and 47 miles northwest of Lafayette. East and west railway lines connect with the Monon at various points—Chicago, Hammond, Lafayette, Delphi, Frankfort and Indianapolis.

Saint Joseph's College (Collegeville) lies just outside the city's southern limits. Taxi service is available from the Rensselaer depot. Indiana State Highway 53 (U.S. 231) one of the main routes connecting Chicago and Indianapolis, passes through the College grounds. The Indiana Motor Bus Company, operating between Cincinnati and Chicago, uses Route 53 and will take on and let off passengers at Collegeville.

**Mail:** Saint Joseph's College, Rensselaer, Indiana.

**\*Telephone:** Rensselaer, Indiana, 800.

**Telegraph:** Saint Joseph's College, Rensselaer, Indiana.

**Express, Freight, and Baggage:** Saint Joseph's College, Rensselaer, Indiana.

### \*TELEPHONE CALLS

The College telephone switchboard is open from 8:00 A.M. until 10:00 P.M. each day during the school year. During vacation periods it is open from 8:00 A.M. until 9:00 P.M.

During these hours incoming calls to college students (except to those living in Scharf, White, and Washburn) should be made through the College switchboard (Rensselaer 800).

From 10:00 P.M. until 8:00 A.M. calls should be made directly to the pay phone in the hall in which the student lives. Each student should give members of his immediate family the number of his hall pay phone.

The following are the numbers of hall pay phones on which incoming calls should be received after 10:00 P.M.

<b>Adm. Bldg.</b>	<b>Rensselaer</b>	<b>LD 8</b>	<b>Halas</b>	<b>"</b>	<b>LD 804</b>
<b>Bennett</b>	<b>"</b>	<b>LD 813</b>	<b>Merlini</b>	<b>Rensselaer</b>	<b>LD 11 W</b>
<b>Drexel</b>	<b>"</b>	<b>LD 7</b>	<b>Noll</b>	<b>"</b>	<b>LD 814</b>
<b>Gallagher</b>	<b>"</b>	<b>LD 15</b>	<b>East Seifert</b>	<b>"</b>	<b>LD 11 R</b>
<b>Gaspar</b>	<b>"</b>	<b>LD 13</b>	<b>West Seifert</b>	<b>"</b>	<b>LD 12</b>

Calls to students in the following halls should be made directly to the hall at all times:

<b>Scharf</b>	<b>Rensselaer</b>	<b>3026 M</b>
<b>White</b>	<b>"</b>	<b>3026 W</b>
<b>Washburn</b>	<b>"</b>	<b>LD 812</b>





